

FEATURES YEDA RESEARCH AND DEVELOPMENT CO. LTD
Location/Qualifiers

1. 28
/organism="synthetic construct"
/db_xref="taxon:32630"

BASE COUNT 6 a 6 c 7 g 9 t

ORIGIN

Query Match

Best Local Similarity 92.9%; Pred. No. 5.2e+04; Length 28;
Matches 26; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

OY 248 CCGCAGCTCTACCTCATTGTTGTGG 275

Db 1 CCGCAGCTCTACCTCATTGTTGTGG 28

RESULT 2
LOCUS A26411 29 bp DNA linear 25-APR-1995

DEFINITION Oligonucleotide 2 from patent EP0417563.

ACCESSION A26411

VERSION A26411.1 GI:904967

KEYWORDS synthetic construct.

SOURCE synthetic construct.

ORGANISM artificial sequences.

REFERENCE 1 (bases 1 to 29)

AUTHORS Brockhaus, M., Demble, Z., Gentz, R., Lesslauer, W., Loetscher, H. and

Schlaeger, E.J.

TITLE TNF-binding proteins

JOURNAL Patent: EP 0417563-A 23 20-MAR-1991;

F. HOFFMANN-LA ROCHE AG

FEATURES Location/Qualifiers

1. 29
/organism="synthetic construct"
/db_xref="taxon:32630"

BASE COUNT 5 a 7 c 9 g 8 t

ORIGIN

Query Match
Best Local Similarity 92.6%; Pred. No. 9.8e+04; Length 29;

Matches 25; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

OY 143 CTGAGGACTCAGGACACAGTGTCT 169

Db 29 CTGAGGACTCAGGACACAGTGTCT 3

RESULT 3

LOCUS A29670 26 bp DNA linear PAT 29-JUN-1995

DEFINITION Oligonucleotide no.1.

ACCESSION A29670

VERSION A29670.1 GI:1248973

KEYWORDS synthetic construct.

SOURCE synthetic construct.

ORGANISM artificial sequences.

REFERENCE 1 (bases 1 to 26)

AUTHORS Wallach, D. and Brakebusch, C.

TITLE Multimers of the soluble forms of TNF receptors, their preparation

JOURNAL and pharmaceutical compositions containing them

Patent: EP 0526905-A 1 10-FEB-1993;

YEDA RESEARCH AND DEVELOPMENT CO. LTD

FEATURES Location/Qualifiers

1. 26
/organism="synthetic construct"
/db_xref="taxon:32630"

BASE COUNT 6 a 10 c 7 g 3 t

ORIGIN

Query Match
Best Local Similarity 92.6%; Pred. No. 1.8e+05; Length 21;

Matches 24; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

OY 531 CCCCACCCCTTCAGAGTGGAGG 556

Db 1 CCCCACCCCTTCAGAGTGGAGG 26

RESULT 4

LOCUS A19910 21 bp DNA linear PAT 04-OCT-1994

DEFINITION Synthetic 3' TNF receptor fragment for construction of pSV-TBP.

ACCESSION A19910

VERSION A19910.1 GI:641224

KEYWORDS synthetic construct.

SOURCE synthetic construct.

ORGANISM artificial sequences.

REFERENCE 1 (bases 1 to 21)

AUTHORS Wallach, D., Nophar, Y., Kemper, O., Engelmann, H., Brakebusch, C. and

Aderka, D.

TITLE Expression of the recombinant tumor necrosis factor binding protein

JOURNAL I (TBP-I)

Patent: EP 0433900-A 31 26-JUN-1991;

YEDA RESEARCH AND DEVELOPMENT COMPANY LIMITED

FEATURES Location/Qualifiers

1. 21
/organism="synthetic construct"
/db_xref="taxon:32630"

BASE COUNT 6 a 6 c 4 g 5 t

ORIGIN

Query Match
Best Local Similarity 100.0%; Pred. No. 5.6e+05; Length 21;

Matches 21; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

OY 112 TGCCTACCCAGATTGAGAT 132

Db 1 TGCCTACCCAGATTGAGAT 21

RESULT 5

LOCUS A19912 21 bp DNA linear PAT 04-OCT-1994

DEFINITION Synthetic 5' TNF receptor fragment for construction of pSV-TBP.

ACCESSION A19912

VERSION A19912.1 GI:641226

KEYWORDS synthetic construct.

SOURCE synthetic construct.

ORGANISM artificial sequences.

REFERENCE 1 (bases 1 to 21)

AUTHORS Wallach, D., Nophar, Y., Kemper, O., Engelmann, H., Brakebusch, C. and

Aderka, D.

TITLE Expression of the recombinant tumor necrosis factor binding protein

JOURNAL I (TBP-I)

Patent: EP 0433900-A 33 26-JUN-1991;

YEDA RESEARCH AND DEVELOPMENT COMPANY LIMITED

FEATURES Location/Qualifiers

1. 21
/organism="synthetic construct"
/db_xref="taxon:32630"

BASE COUNT 5 a 4 c 6 g 6 t

ORIGIN

Query Match
Best Local Similarity 100.0%; Pred. No. 5.6e+05; Length 21;

Matches 21; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

OY 112 TGCCTACCCAGATTGAGAT 132

Db 21 TGCCTACCCAGATTGAGAT 1

RESULT 6
LOCUS AR131319 21 bp DNA linear PAT 16-MAY-2001
DEFINITION Sequence 19 from patent US 6193972.
ACCESSION AR131319
VERSION AR131319.1 GI:14120222
KEYWORDS
SOURCE Unknown.
ORGANISM Unknown.
REFERENCE 1 (bases 1 to 21)
AUTHORS Campbell,R.K., Jameson,B.A. and Chappel,S.C.
TITLE Hybrid heterodimeric protein hormone
JOURNAL Patent: US 6193972-A 19 27-FEB-2001;
FEATURES
source Location/Qualifiers
BASE COUNT 2 a 5 c 7 g 7 t
ORIGIN
Query Match 3.6%; Score 21; DB 6; Length 21;
Best Local Similarity 100.0%; Pred. No. 5.6e+05;
Matches 21; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
OY 142 ACTGAGACTCAGGACACCA 162
DB 21 ACTGAGACTCAGGACACCA 1
|||||
RESULT 7
LOCUS AR134771/c 21 bp DNA linear PAT 16-MAY-2001
DEFINITION Sequence 19 from patent US 6194177.
ACCESSION AR134771
VERSION AR134771.1 GI:14123676
KEYWORDS
SOURCE Unknown.
ORGANISM Unknown.
REFERENCE 1 (bases 1 to 21)
AUTHORS Campbell,R.K., Jameson,B.A. and Chappel,S.C.
TITLE DNA encoding a hybrid heterodimeric protein
JOURNAL Patent: US 6194177-A 19 27-FEB-2001;
FEATURES
source Location/Qualifiers
BASE COUNT 2 a 5 c 7 g 7 t
ORIGIN
Query Match 3.6%; Score 21; DB 6; Length 21;
Best Local Similarity 100.0%; Pred. No. 5.6e+05;
Matches 21; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
OY 142 ACTGAGACTCAGGACACCA 162
DB 21 ACTGAGACTCAGGACACCA 1
|||||
RESULT 8
LOCUS AX404882/c 29 bp DNA linear PAT 14-JUN-2002
DEFINITION Sequence 15 from Patent WO0222833.
ACCESSION AX404882
VERSION AX404882.1 GI:21438114
KEYWORDS
SOURCE synthetic construct.
ORGANISM synthetic construct.
REFERENCE 1
AUTHORS Pfizemaler,K., Muest,T., Moosmayer,D., Grell,M. and Scheurlich,P.
TITLE Fusion protein from antibody cytokine-cytokine inhibitor
(selectokine) for use as target-specific prodrg

JOURNAL Patent: WO 0222833-A 15 21-MAR-2002;
Universitaet Stuttgart (DE); Pfizemaler, Klaus (DE)
FEATURES
source Location/Qualifiers
1..29
/organism="synthetic construct"
/db_xref="taxon:32630"
/note="Primer 6 fuer die Amplifikation eines
TNFR1-Fragments"
BASE COUNT 3 a 9 c 10 g 7 t
ORIGIN
Query Match 3.6%; Score 21; DB 6; Length 29;
Best Local Similarity 82.8%; Pred. No. 5.8e+05;
Matches 24; Conservative 0; Mismatches 5; Indels 0;
OY 13 CAGAACCCGCTGTGCACCTGCATGCAGG 41
DB 29 CAGAACCCGCTGTGCACCCGATCCGCAGG 1
|||||
RESULT 9
LOCUS A57512 24 bp DNA linear PAT 03-MAR-1998
DEFINITION Sequence 4 from Patent WO9632483.
ACCESSION A57512
VERSION A57512.1 GI:3713370
KEYWORDS
SOURCE unidentified.
ORGANISM unidentified.
REFERENCE 1 (bases 1 to 24)
AUTHORS Masucci,M.G.
TITLE IMMUNE-EVADING PROTEINS
JOURNAL Patent: WO 9632483-A 4 17-OCT-1996;
MASUCCI MARIA GRAZIA (SE)
COMMENT Other publication AU 5284296 961030.
FEATURES
source Location/Qualifiers
1..24
/organism="unidentified"
/db_xref="taxon:32644"
BASE COUNT 4 a 14 c 2 g 4 t
ORIGIN
Query Match 3.6%; Score 20.8; DB 6; Length 24;
Best Local Similarity 91.7%; Pred. No. 6.4e+05;
Matches 22; Conservative 0; Mismatches 2; Indels 0; Gaps 0;
OY 399 TTCACCTTCACCTCCAGCTCCAC 422
DB 1 TTCACCCGACCTCCAGCTCCAC 24
|||||
RESULT 10
LOCUS AR052978 24 bp DNA linear PAT 29-SEP-1999
DEFINITION Sequence 7 from patent US 5833591.
ACCESSION AR052978
VERSION AR052978.1 GI:5977840
KEYWORDS
SOURCE Unknown.
ORGANISM Unknown.
REFERENCE 1 (bases 1 to 24)
AUTHORS Masucci,M.G.
TITLE Glycine-containing sequences conferring invisibility to the immune
system
JOURNAL Patent: US 5833591-A 7 10-NOV-1996;
FEATURES
source Location/Qualifiers
1..24
/organism="unknown"
BASE COUNT 4 a 14 c 2 g 4 t
ORIGIN

Query Match 3.6%; Score 20.8; DB 6; Length 24;
Best Local Similarity 91.7%; Pred. No. 6.4e+05;
Matches 22; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

QY 399 TTCACCTTCACCTCCAGCTCCAC 422
DB 1 TTCACCCGACCTCCAGCTCCAC 24

RESULT 11

A20243/c

LOCUS R20243 30 bp DNA linear PAT 20-SEP-1995
DEFINITION Antigenic oligonucleotide 4D.
ACCESSION R20243
VERSION R20243.1 GI:1247885

KEYWORDS synthetic construct.
SOURCE synthetic construct.

ORGANISM artificial sequences.
FEATURES Location/Qualifiers

source 1..30
/organism="synthetic construct"
/db_xref="taxon:32630"

BASE COUNT 5 a 8 c 10 g 7 t
ORIGIN

Query Match 3.4%; Score 20; DB 6; Length 30;
Best Local Similarity 100.0%; Pred. No. 1.1e+06;
Matches 20; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 13 CAGAACCCGTGTGCACCTG 32
DB 30 CAGAACCCGTGTGCACCTG 11

RESULT 12

I43796/c

LOCUS I43796 30 bp DNA linear PAT 07-OCT-1997
DEFINITION Sequence 15 from patent US 5633145.
ACCESSION I43796
VERSION I43796.1 GI:2468894

KEYWORDS Unknown.
SOURCE Unknown.

ORGANISM Unclassified.

REFERENCE 1 (bases 1 to 30)
AUTHORS Feldmann, M., Gray, P.W., Turner, M.J.C. and Brennan, F.M.

TITLE TNF.alpha. receptor-derived binding protein
JOURNAL Patent: US 5633145-A 15 27-MAY-1997;
FEATURES Location/Qualifiers

source 1..30
/organism="unknown"

BASE COUNT 5 a 8 c 10 g 7 t
ORIGIN

Query Match 3.4%; Score 20; DB 6; Length 30;
Best Local Similarity 100.0%; Pred. No. 1.1e+06;
Matches 20; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 13 CAGAACCCGTGTGCACCTG 32
DB 30 CAGAACCCGTGTGCACCTG 11

RESULT 13

A57514

LOCUS A57514 24 bp DNA linear PAT 03-MAR-1998
DEFINITION Sequence 6 from Patent WO9632483.
ACCESSION A57514
VERSION A57514.1 GI:3713372

KEYWORDS unidentified.
SOURCE unidentified.

ORGANISM unidentified.

REFERENCE 1 (bases 1 to 24)
AUTHORS Masucci, M.G.

TITLE IMMUNE-EVADING PROTEINS
JOURNAL Patent: WO 9632483-A 6 17-OCT-1996;
COMMENT MASUCCI MARIA GRAZIA (SE)
Other Publication AU 5284296 961030.

FEATURES Location/Qualifiers

source 1..24
/organism="unidentified"

BASE COUNT 3 a 14 c 2 g 5 t
ORIGIN

Query Match 3.3%; Score 19.2; DB 6; Length 24;
Best Local Similarity 87.5%; Pred. No. 1.8e+06;
Matches 21; Conservative 0; Mismatches 3; Indels 0; Gaps 0;

QY 399 TTCACCTTCACCTCCAGCTCCAC 422
DB 1 TTCACCCGACCTCCAGCTCCAC 24

RESULT 14
AR052980 24 bp DNA linear PAT 29-SEP-1999
LOCUS AR052980
DEFINITION Sequence 10 from patent US 5833991.
ACCESSION AR052980
VERSION AR052980.1 GI:5977842

KEYWORDS Unknown.
SOURCE Unknown.

ORGANISM Unclassified.

REFERENCE 1 (bases 1 to 24)
AUTHORS Masucci, M.G.

TITLE Glycine-containing sequences conferring invisibility to the immune system

JOURNAL Patent: US 5833991-A 10 10-NOV-1998;
FEATURES Location/Qualifiers

source 1..24
/organism="unknown"

BASE COUNT 3 a 14 c 2 g 5 t
ORIGIN

Query Match 3.3%; Score 19.2; DB 6; Length 24;
Best Local Similarity 87.5%; Pred. No. 1.8e+06;
Matches 21; Conservative 0; Mismatches 3; Indels 0; Gaps 0;

QY 399 TTCACCTTCACCTCCAGCTCCAC 422.
DB 1 TTCACCCGACCTCCAGCTCCAC 24

RESULT 15

A57518

LOCUS A57518 24 bp DNA linear PAT 03-MAR-1998
DEFINITION Sequence 10 from Patent WO9632483.
ACCESSION A57518
VERSION A57518.1 GI:3713376

KEYWORDS unidentified.
SOURCE unidentified.

ORGANISM Unclassified.

REFERENCE 1 (bases 1 to 24)
AUTHORS Masucci, M.G.

TITLE IMMUNE-EVADING PROTEINS
JOURNAL Patent: WO 9632483-A 10 17-OCT-1996;
COMMENT MASUCCI MARIA GRAZIA (SE)
Other Publication AU 5284296 961030.

FEATURES Location/Qualifiers

source 1..24
/organism="unidentified"

/db_xref="taxon:32644"

Wed May 21 08:50:00 2003

us-09-695-451-1_copy_727_1310.lim30.rge

Page 5

BASE COUNT 5 a 13 c 2 g 4 t

ORIGIN

Query Match

Best Local Similarity 3.28; Score 18.8; DB 6; Length 24;
Matches 20; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

QY TGCACCTTCACCTCCAGCTCCA 421

db TGCACCTTCACCTCCAGCTCCA 23

Search completed: May 21, 2003, 07:05:48
Job time 1834 secs

GenCore version 5.1.4_p5_4578
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OM nucleic - nucleic search, using sw model

Run on May 20, 2003, 19:22:44 ; Search time 221 Seconds

5950.982 million cell updates/sec

US-09-695-451-1_COPY_727_1310

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Total number of hits satisfying chosen parameters: 1875172¹⁸⁰

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5	/SID2/gcgdata/genseq/genseqn-emb1/NA1984.DAT.*
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23	/SID2/gcgdata/genseq/genseqn-emb1/NA2001B.DAT.*
24	/SID2/gcgdata/genseq/genseqn-emb1/NA2002.DAT.*

Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed and is derived by analysts of the total score distribution.

SUMMARIES

No.	Score	Query Match	length	DB	ID	Description
1	25	4.3	25	21	AAA95191	Reverse primer used
2	23.8	4.1	29	20	AAZ09169	Human 55kDa tumour
3	23.8	4.1	29	22	AAH48858	Human 55 kD TNF β
4	21	3.6	21	18	AAAT94017	Primer for TPO/hCG
5	21	3.6	29	24	ABA99921	Human TNFR1 PCR pr
6	20.8	3.6	24	19	AAV55815	Multimerisation c5
7	19.2	3.3	24	19	AAV55817	Multimerisation c5
8	19.2	3.3	27	22	AAAF24737	PCR primer used for
9	19.2	3.3	30	20	AAAX27663	DNA encoding a HRA

10	19.2	3.3	30	24	ABL51730
11	19.2	3.3	30	24	ABL51730
12	18.8	3.2	24	19	AAV55821
13	18.8	3.2	30	17	AAV17807
14	18.4	3.2	30	24	ABL51740
15	18.2	3.1	23	24	ABR97993
16	18.2	3.1	25	15	AAO61892
17	18.2	3.1	25	15	AAO61893
18	18.2	3.1	25	16	AAO97978
19	18	3.1	18	18	AAH87450
20	18	3.1	18	19	AAV03624
21	18	3.1	18	20	AAH81714
22	18	3.1	18	21	AAZ48521
23	18	3.1	18	21	AAZ48522
24	18	3.1	18	21	AAZ48523
25	18	3.1	18	21	AAZ48524
26	18	3.1	18	21	AAZ48525
27	18	3.1	18	21	AAZ48526
28	18	3.1	18	21	AAZ48527
29	18	3.1	18	21	AAZ48528
30	18	3.1	18	21	AAZ48529
31	18	3.1	18	21	AAZ48530
32	18	3.1	18	21	AAZ48531
33	18	3.1	18	21	AAZ48532
34	18	3.1	18	21	AAZ48533
35	18	3.1	18	21	AAZ48534
36	18	3.1	18	21	AAZ48535
37	18	3.1	18	21	AAZ48536
38	18	3.1	18	21	AAZ48537
39	18	3.1	18	21	AAZ48538
40	18	3.1	18	21	AAZ48539
41	18	3.1	18	21	AAZ48540
42	18	3.1	18	21	AAZ48541
43	18	3.1	18	21	AAZ48542
44	18	3.1	18	21	AAZ48543
45	18	3.1	18	21	AAZ48544

ALIGNMENTS

RESULT 1

ID AAA95191 standard; DNA; 25-BP

AC : AAA95191;

DT 12-JAN-2001 (first entry)

Reverse primer used to amplify exon 6 of TNFR1 gene.

KM TNFR1; tumour necrosis factor receptor; polymorphism; human;

XX

XX

XX

XX

XX

XX

PA (NAND/) NANDABALAN K

PA (STEP/) STEPHENS J C

[illegible]

XX

XX Polynucleotides comprising polymorphic variants of a reference sequence
PT for tumor necrosis factor receptor 1 (TNFR1), useful for studying the
PT biological function of TNFR1 and identifying drugs targeting the
PT protein for treating disorders -
XX
XX Example 11, Page 31, 79pp; English.
XX
CC The present invention relates to polymorphic variants of the tumor
CC necrosis factor receptor 1 (TNFR1) gene. The sequence of the gene is
CC given in AA95102, AA95103 and AA95104. The polymorphisms were
CC identified by amplifying and sequencing regions of the gene. Twelve
CC polymorphic loci were discovered. Of these twelve polymorphisms, four can
CC cause a change in the TNFR1 protein. The present sequence is a primer
CC used to amplify part of the TNFR1 gene. The TNFR1 polymorphisms may be
CC used for studying the biological function of TNFR1 as well as for
CC identifying drugs targeting the protein for treatment of disorders
CC related to its abnormal expression or function such as tumors,
CC apoptosis related disorders and bacterial infection.
XX
SO Sequence 25 BP; 5 A; 8 C; 4 G; 8 T; 0 other;
Query Match 4.3%; Score 25; DB 21; Length 25;
Best Local Similarity 100.0%; Pred. No. 1.1e+03;
Matches 25; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
QY 129 GAATGTTAAGGCACCTGAGCATCA 153
DB 25 GAATGTTAAGGCACCTGAGCATCA 1

RESULT 2
AA209169/c
ID AA209169 standard; DNA; 29 BP.
AC
XX AA209169;
XX
DT 18-OCT-1999 (first entry)
XX
DE Human 55kDa tumor necrosis factor binding protein PCR primer 2.
XX
KW Tumor necrosis factor binding protein; TNF; insoluble protein; agonist;
KW anti-inflammatory; antimalarial; treatment; septic shock; inflammation;
KW autoimmune glomerulonephritis; cerebral malaria; immune response;
KW antagonist; diagnosis; PCR primer; ss.
XX
OS Synthetic.
OS Homo sapiens.
XX
PN EP939121-A2.
XX
PD 01-SEP-1999.
XX
PF 31-AUG-1990; 90EP-0116707.
XX
PR 20-APR-1990; 90CH-0001347.
PR 12-SEP-1989; 89CH-0003319.
PR 08-MAR-1990; 90CH-0000746.
XX
PA (HOFF) HOFFMANN LA ROCHE & CO AG F.
XX
PI Brockhaus M, Dembic Z, Gentz R, Lesslauer W, Loetscher H;
PI Schlaeger E;
XX
DR WPI; 1999-480840/41.
XX
PT New insoluble proteins, and fragments, that bind to tumor necrosis
PT factor, used to treat e.g. septic shock or cerebral malaria
XX
PS Example 11; Page 16; 25pp; German.
XX
CC This invention describes novel homogeneous insoluble proteins (I),
CC their (in)soluble fragments (Ia) and their salts that can bind tumour

CC necrosis factor (TNF). The products of the invention have
CC anti-inflammatory and antimalarial activity. (I) and (Ia) are used (I)
CC to treat diseases in which TNF is involved (e.g. septic shock, autoimmune
CC glomerulonephritis, cerebral malaria, immune responses and inflammation),
CC (II) to purify TNF, (III) to identify TNF (ant)agonists and (IV) for
CC diagnostic determination of TNF in body fluids. Antibodies raised against
CC (I) are used for affinity purification of (I). This sequence represents
CC a PCR primer used in the amplification of the TNF binding protein of the
CC invention.
XX
SO Sequence 29 BP; 5 A; 7 C; 9 G; 8 T; 0 other;
Query Match 4.1%; Score 23.8; DB 20; Length 29;
Best Local Similarity 92.6%; Pred. No. 2.6e+03;
Matches 25; Conservative 0; Mismatches 2; Indels 0; Gaps 0;
QY 143 CTGAGACTCAGGCACCACTGCTGT 169
DB 143 CTGAGACTCAGGCACCACTGCTGT 3

RESULT 3
AAH48858/c
ID AAH48858 standard; DNA; 29 BP.
AC
XX AAH48858;
XX
DT 12-NOV-2001 (first entry)
XX
DE Human 55 kD TNFBR extracellular fragment PCR primer 2.
XX
KW TNF; tumor necrosis factor binding protein; TNFBR; treatment;
KW insoluble protein; antiinflammatory; immunosuppressive; antibacterial;
KW antiprotoccol; treatment; meningococcal sepsis; cerebral malaria;
KW autoimmune glomerulonephritis; PCR primer; ss.
XX
OS Homo sapiens.
OS
PN EP1132471-A2.
XX
PD 12-SEP-2001.
XX
PF 31-AUG-1990; 2001EP-0108117.
XX
PR 12-SEP-1989; 89CH-0003319.
PR 08-MAR-1990; 90CH-0000746.
PR 20-APR-1990; 90CH-0001347.
PR 31-AUG-1990; 90EP-0116707.
PR 31-AUG-1990; 99EP-0100703.
XX
PA (HOFF) HOFFMANN LA ROCHE & CO AG F.
XX
PI Brockhaus M, Dembic Z, Gentz R, Lesslauer W, Loetscher H;
PI Schlaeger E;
XX
DR WPI; 2001-559312/63.
XX
PT New homogeneous, insoluble proteins that bind tumor necrosis factor
PT (TNF), useful for treating TNF-mediated disorders, e.g. inflammation
XX
PS Example 11; Page 16; 26pp; German.
XX
CC This invention describes novel insoluble proteins (I), also their
CC (in)soluble fragments and pharmaceutically acceptable salts, able to bind
CC tumor necrosis factor (TNF) and in homogeneous form. The products of the
CC invention have antiinflammatory, immunosuppressive, antibacterial,
CC antiprotoccol activity. (I), and related recombinant proteins, are used
CC to treat diseases mediated by TNF, e.g. shock in cases of meningococcal
CC sepsis; development of autoimmune glomerulonephritis and cerebral
CC malaria. Also (I), or antibodies specific for them, are used for
CC diagnostic determination of TNF in body fluids, for affinity purification
CC of TNF and for identifying (ant)agonists of TNF. This sequence represents
CC a PCR primer used in the amplification of the human 55 kD TNFBR described

CC In the method of the invention.
XX
SQ Sequence 29 BP; 5 A; 7 C; 9 G; 8 T; 0 other;

Query Match 4.1%; Score 23.8; DB 22; Length 29;
Best Local Similarity 92.6%; Pred. No. 2.6e+03;
Matches 25; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

QY 143 CTGAGACTCAGCAGCAGCAGCAGTCTGT 169

DB 29 CTGAGACTCAGCAGCAGCAGCAGTCTGT 3

RESULT 4

AT94017 standard; DNA; 21 BP.

AT94017;

19-MAR-1998 (first entry)

DE Primer for TPO/hCG fusion gene.

KM Fusion protein; thrombopoietin; TPO; human chorionic gonadotropin;

hCG; PCR primer; ss.

OS Synthetic.

OS Homo sapiens.

PN W09730161-A1.

PD 21-ATG-1997.

PF 20-FEB-1997; 97WO-US02315.

PR 20-FEB-1996; 96US-0011936.

XX (ISTF) ARS APPLIED RES SYSTEMS HOLDING NV.

PI Campbell RK, Chappel SC, Jameson BA;

DR WPI; 1997-425036/39.

PT Hybrid dimeric protein comprising two co-expressed units - each

PT based on receptor or ligand and a subunit of a heterodimeric

PT hormone, especially FSH, for inducing follicular maturation

PS Example; Page 16; 60pp; English.

CC A novel fusion protein comprises 2 dimer forming co-expressed amino
CC acid sequences, each consisting of a homodimeric or heterodimeric
CC receptor chain or ligand, with ligand-receptor binding activity,
CC bound directly or via a peptide linker to a subunit of a
CC heterodimeric protein hormone capable of forming a heterodimer with
CC the hormone's other subunits. The fusion protein, e.g. the
CC thrombopoietin (TPO)/human chorionic gonadotropin (hCG) fusion
CC protein encoded by the fusion gene amplified by the present
CC sequence, significantly increases the biological activity of the
CC hormone component, reducing the requirement for hormone itself and
CC the number of injections needed.

SQ Sequence 21 BP; 2 A; 5 C; 7 G; 7 T; 0 other;

Query Match 3.6%; Score 21; DB 18; Length 21;

Best Local Similarity 100.0%; Pred. No. 1.5e+04;

Matches 21; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 142 ACTGAGACTCAGCAGCAGCAGCAGCACA 162

DB 21 ACTGAGACTCAGCAGCAGCAGCAGCACA 1

RESULT 5

ABA9921/c
ID ABA9921 standard; DNA; 29 BP.

XX ABA9921;

AC ABA9921;

DE Human TNFR1 PCR primer SEQ ID 15.

XX Prodrug; TNF; tumour necrosis factor; selectokine; chimeric; W24; W33;

KM cytosolic; immunomodulatory; angiogenic; apoptosis inducer;

KM gene therapy; scFv antibody OS4; fibroblast activation protein; tenascin;

KM solid tumour; angiogenesis; treatment; infection; metabolic disease;

KM PCR; primer; ss.

OS Homo sapiens.

PN W09730161-A1.

PD 21-MAR-2002.

PF 17-SEP-2001; 2001WO-EP10730.

PR 15-SEP-2000; 2000DE-1045592.

PA (UNST-) UNIV STUTTGART.

PI (PIZ/) PFIZENMAIER K.

XX Pfizenmaier K, Wuest T, Moosmayer D, Grell M, Scheurich P;

DR WPI; 2002-362351/39.

PT New polypeptide prodrug, useful e.g. for treating tumors, containing

PT targeting region, active agent and attached inhibitor that is

PT proteolytically cleaved in target cells -

PS Example 6; Page 47; 52pp; German.

CC This invention describes a novel polypeptide (I) comprising, in the N
CC to C direction, a region (R1) that recognises selectively a specific
CC macromolecule on a cell surface and/or a component of the extracellular
CC matrix, peptide linker, a region (R2) with biological activity for a
CC specific target molecule, a region (R3) that has a processing site and a
CC region (R4) that inhibits the activity of R2, by intramolecular bonding
CC and/or interaction. The products of the invention have cytostatic,
CC immunomodulatory and antiangiogenic activity, induce apoptosis and can be
CC used for gene therapy. Kym-1 cells (2000) were incubated with the
CC prodrug W24, containing, essentially, the single-chain Fv antibody OS4,
CC specific for human fibroblast activation protein, trimerization linker,
CC mutant form of the tumour necrosis factor (TNF) precursor protein, a
CC region with a proteolytic cleavage site, and human TNF receptor-1,
CC firmant, and with trypsin (activator) for 5 minutes. After 16 hours,
CC cell viability was determined by MTT staining. Activated W24 had ID50
CC about 0.5 ng/ml, comparable with that for wild-type TNF and 4000 times
CC higher than for uncleaved W24. (I), also nucleic acids encoding them and
CC related vectors, are useful particularly for treating solid tumours
CC and/or pathological angiogenesis, also generally for treating infections
CC and metabolic diseases. (I) are prodrug forms of R2 that have
CC unacceptable toxicity when administered systemically (specifically tumour
CC necrosis factor) and allow these compounds to be administered safely with
CC retention of, or even increase in, therapeutic activity. R2 is released
CC only in target tissue, resulting in a high local concentration, and
CC activity is potentiated by co-activation of receptors. This sequence
CC represents a PCR primer for the amplification of the human TNFR1 fragment
CC used in the construction of the TNF-selectokine W24 and W33
CC prodrugs described in the disclosure of the invention.

SQ Sequence 29 BP; 3 A; 9 C; 10 G; 7 T; 0 other;

Query Match 3.6%; Score 21; DB 24; Length 29;

Best Local Similarity 82.8%; Pred. No. 1.7e+04;

Matches 24; Conservative 0; Mismatches 5; Indels 0; Gaps 0;

OY 13 CAGAACCCGTGTGCACCTGCATGCAGG 41
DB 29 CAGAACCCGTGTGCACCGATCCGACAG 1

RESULT 6

ID AAV55815 standard; DNA; 24 BP.

AAV55815;

18-NOV-1998 (first entry)

DE Multimerisation of minimal motifs using primer ZGS2.

KW Fusion protein; stabilising polypeptide; proteolytic degradation;
KW resistance; half-life; autoimmune disease; inflammation; nitro drug;
KW IkappaB regulator protein; inflammatory bowel disease; in vivo imaging;
KW nitroreductase protein; enzyme therapy; produg therapy; protease;
KW cancer; pathological condition; minimal motif; PCR primer; ss.

Synthetic.

OS Epstein-barr virus.

PN WO9822577-A1.

28-MAY-1998.

17-NOV-1997; 97WO-IB01508.

25-JUN-1997; 97US-0048945.

15-NOV-1996; 96US-0030986.

(MASU/) MASUCCI M G.

Masucci MG;

WPI: 1998-312463/27.

PT New fusion proteins resistant to proteolytic degradation -
comprising a core protein with a stabilising polypeptide comprising
a peptide sequence containing glycine repeats

PS Disclosure; Page 72; 120pp; English.

XX Sequences shown in AAV55812 to AAV55827 represent primers used in the
XX course of the invention for the multimerisation of minimal motifs. The
XX invention provides a method for increasing the resistance of a core
XX protein to proteolytic degradation that comprises linking or inserting
XX onto or into the core protein a stabilising polypeptide of formula
XX [(Glya)X(Glyb)Y(Glyc)Z]n where Glya, Glyb, Glyc are 1-6 sequential Gly
XX residues and X, Y, Z are Ala, Ser, Val, Ile, Leu, Met, Phe, Pro or Thr
XX and n can be anything between 1-66. X, Y and Z need not be identical
XX from n repeat to n repeat. Alternatively a nucleic acid encoding a
XX stabilising polypeptide can be linked onto or inserted into a nucleic
XX acid encoding a core protein. The fusion proteins of the invention are
XX more resistant to degradation by proteases and, thus, have a longer
XX half-life than the unfused core protein. The products can be used for
XX treating autoimmune diseases, cancer and inflammation. In particular, the
XX core protein may be an IkappaB regulator protein for the treatment of
XX inflammatory bowel disease, or a nitroreductase protein which can
XX activate nitro drugs in enzyme/prodrug therapy to treat cancer or other
XX pathological conditions. The fusion proteins can also be used in
XX diagnostic methods such as in vivo imaging.

SO Sequence 24 BP; 4 A; 14 C; 2 G; 4 T; 0 other;

Query Match 3.6%; Score 20.8; DB 19; Length 24;

Best Local Similarity 91.7%; Pred. No. 1.8e+04;

Matches 22; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

399 TTCACCTTCACCTCCAGCTCCAC 422
|||||

DB 1 TTCACCCGACCTCCAGCTCCAC 24

RESULT 7

ID AAV55817 standard; DNA; 24 BP.

AAV55817;

18-NOV-1998 (first entry)

DE Multimerisation of minimal motifs using primer ZGR2.

KW Fusion protein; stabilising polypeptide; proteolytic degradation;
KW resistance; half-life; autoimmune disease; inflammation; nitro drug;
KW IkappaB regulator protein; inflammatory bowel disease; in vivo imaging;
KW nitroreductase protein; enzyme therapy; produg therapy; protease;
KW cancer; pathological condition; minimal motif; PCR primer; ss.

Synthetic.

OS Epstein-barr virus.

PN WO9822577-A1.

28-MAY-1998.

17-NOV-1997; 97WO-IB01508.

25-JUN-1997; 97US-0048945.

15-NOV-1996; 96US-0030986.

(MASU/) MASUCCI M G.

Masucci MG;

WPI: 1998-312463/27.

PT New fusion proteins resistant to proteolytic degradation -
comprising a core protein with a stabilising polypeptide comprising
a peptide sequence containing glycine repeats

PS Disclosure; Page 72; 120pp; English.

XX Sequences shown in AAV55812 to AAV55827 represent primers used in the
XX course of the invention for the multimerisation of minimal motifs. The
XX invention provides a method for increasing the resistance of a core
XX protein to proteolytic degradation that comprises linking or inserting
XX onto or into the core protein a stabilising polypeptide of formula
XX [(Glya)X(Glyb)Y(Glyc)Z]n where Glya, Glyb, Glyc are 1-6 sequential Gly
XX residues and X, Y, Z are Ala, Ser, Val, Ile, Leu, Met, Phe, Pro or Thr
XX and n can be anything between 1-66. X, Y and Z need not be identical
XX from n repeat to n repeat. Alternatively a nucleic acid encoding a
XX stabilising polypeptide can be linked onto or inserted into a nucleic
XX acid encoding a core protein. The fusion proteins of the invention are
XX more resistant to degradation by proteases and, thus, have a longer
XX half-life than the unfused core protein. The products can be used for
XX treating autoimmune diseases, cancer and inflammation. In particular, the
XX core protein may be an IkappaB regulator protein for the treatment of
XX inflammatory bowel disease, or a nitroreductase protein which can
XX activate nitro drugs in enzyme/prodrug therapy to treat cancer or other
XX pathological conditions. The fusion proteins can also be used in
XX diagnostic methods such as in vivo imaging.

SO Sequence 24 BP; 3 A; 14 C; 2 G; 5 T; 0 other;

Query Match 3.3%; Score 19.2; DB 19; Length 24;

Best Local Similarity 87.5%; Pred. No. 5.1e+04;

Matches 21; Conservative 0; Mismatches 3; Indels 0; Gaps 0;

399 TTCACCTTCACCTCCAGCTCCAC 422
|||||

1 TTCACCCGACCTCCAGCTCCTC 24

RESULT 8
AA24737/c
ID AAF24737 standard; DNA; 27 BP.
XX
XX AAF24737
AC AAF24737
XX
XX AAF24737 (first entry)
XX
XX AAF24737 (first entry)
XX
XX PCR primer used to amplify DNA encoding CDB-Tma peptide.
DE
XX
XX Protein production; food processing; protein antibiotic; feed enzyme;
KW CDB-Tma PCR primer; ss.
XX
XX Unpublished.
OS
XX
XX WO200077174-A1.
XX
XX 21-DEC-2000.
PD
XX
XX 07-JUN-2000; 2000WO-IL00330.
PF
XX
XX 10-JUN-1999; 99US-0329234.
PR
XX
XX (CBPT-) CBD TECHNOLOGIES LTD.
PA (YISS) YISSUM RES DEV CO HEBREW UNIV JERUSALEM.
XX
XX Shani Z, Shoseyov O;
PI
XX
XX WPI; 2001-112219/12.
DR
XX
XX Expressing and isolating recombinant protein in a plant, useful for
PT producing large quantities of recombinant proteins, by expressing a
PR fusion protein including a cellulose binding peptide fused to a
PI recombinant protein
XX
XX Example: Page 48; 87pp; English.
PS
XX The specification describes a method for expressing and isolating
CC a recombinant protein in a plant. The method comprising expressing a
CC fusion protein including the recombinant protein and a cellulose
CC binding protein fused to it, where the fusion protein is
CC compartmentalised and sequestered within plant cells, plant derived
CC tissue or cultured plant cells. The method is useful for obtaining large
CC quantities of the recombinant proteins and protein products in a simple
CC and cost-effective manner. Recombinant proteins may be used commercially,
CC such as in the food processing industry, e.g. glucamylases and glucose
CC isomerases are used for converting starch to high fructose corn syrup,
CC proteases for the hydrolysis of high molecular weight proteins and in
CC manufacturing leather or alcoholic beverages; pectinesterases for
CC pectin hydrolysis in food industry, lipases for cleaving ester linkage
CC in triglycerides, and for effluent treatment. The recombinant proteins
CC may further be used to produce protein antibiotics, which can be used
CC in healing processes, and to produce animal feed enzymes. PCR primers
CC AAF24736-37 were used to amplify DNA encoding a CDB-Tma peptide. The
CC amplified fragment was used to produce the fusion proteins of the
CC invention.
CC
XX
XX Sequence 27 BP; 7 A; 4 C; 12 G; 4 T; 0 other;
SQ

Query Match 3.3%; Score 19.2; DB 22; Length 27;
Best Local Similarity 87.5%; Pred. No. 5.3e+04;
Matches 21; Conservative 0; Mismatches 3; Indels 0; Gaps 0;

QY 520 TCGACCCCATCCCAACCCCTT 543
DB 26 TCGACCCCATCCCAACCCGCTT 3

RESULT 9
AA27663
ID AAX27663 standard; DNA; 30 BP.
XX

AC AAX27663;
XX
XX 01-JUN-1999 (first entry)
DT
XX
XX DNA encoding a HRGP motif.
DE
XX
XX Synthetic gene; plant; gum; hydroxyproline-rich glycoprotein; HRGP;
KW repetitive proline-rich protein; RRP; arabinogalactan protein; AGP;
KW glycopeptide; ss.
XX
XX
XX Acacia sp.
OS
XX
XX WO9903978-A1.
PN
XX
XX 28-JAN-1999.
PD
XX
XX 21-JUL-1998; 98WO-US15083.
PF
XX
XX 21-JUL-1998; 98US-0897556.
PR 21-JUL-1997; 97US-0897556.
XX
XX (UYOH-) UNIV OHIO.
PA
XX
XX Kietzowski MJ;
PI
XX
XX WPI; 1999-132225/11.
DR
XX
XX Novel synthetic gene designed from repetitive peptide sequences - of
PT hydroxyproline-rich glycoprotein
PI
XX
XX Claim 1; Page 5; 72pp; English.
PS
XX
XX The invention relates to novel synthetic genes for plant gums. A new
CC approach is described to the production of hydroxyproline-rich
CC glycoproteins (HRGPs), repetitive proline-rich proteins (RPPs) and
CC arabinogalactan proteins (AGPs). Synthetic genes comprising a nucleic
CC acid encoding the peptide (AAV01267) can be engineered for the
CC production of repetitive glycopeptide modules in cells. The invention
CC provided a new approach to the problem of producing plant gums that is
CC not dependent on environmental factors and greatly simplifies the
CC production of a variety of naturally occurring gums as well as designer
CC gums. Note: The present nucleotide sequence is indicated as a peptide
CC sequence in the claims.
CC
XX
XX Sequence 30 BP; 6 A; 19 C; 0 G; 5 T; 0 other;
SQ

Query Match 3.3%; Score 19.2; DB 20; Length 30;
Best Local Similarity 87.5%; Pred. No. 5.5e+04;
Matches 21; Conservative 0; Mismatches 3; Indels 0; Gaps 0;

QY 401 CCACCTTCACCTCCAGCTCAGCT 424
DB 4 CCACCTTCACCTCCAGCTCAGCT 27

RESULT 10
ABL51730
ID ABL51730 standard; DNA; 30 BP.
XX
XX ABL51730;
AC
XX
XX 09-JUL-2002 (first entry)
DT
XX
XX HRGP related oligonucleotide SEQ ID NO:10.
DE
XX
XX Plant; Gum arabic glycoprotein; GAGP; hydroxyproline-rich glycoprotein;
KW HRGP; repetitive proline-rich protein; RRP; arabinogalactan protein;
KW AGP; plant gum; PCR primer; linker; ss.
XX
XX
XX Acacia senegal.
OS
XX
XX Synthetic.
PN WO200178503-A2.

XX 25-OCT-2001.
 PD 12-APR-2001; 2001WO-US12336.
 XX 12-APR-2000; 2000US-0547693.
 PR 12-APR-2000; 2000US-0547693.
 XX 12-APR-2000; 2000US-0547693.
 PA (UYOH-) UNIV OHIO.
 PI Kieliszewski MJ;
 DR WPI; 2002-041307/05.
 XX Nucleic acids and proteins useful for producing hydroxy-proline rich
 PT glycoproteins in plants.
 PS Disclosure; Page 4-5; 326pp; English.
 CC The present invention describes synthetic genes encoding plant gums and
 CC other hydroxyproline (Hyp)-rich glycoproteins (HRGPs) and the nucleic
 CC acids that encode them. The nucleic acids, proteins and methods from the
 CC present invention may be used to produce HRGPs, repetitive proline-rich
 CC proteins (RHRPs) and arabinogalactan-proteins (AGPs) in plants via
 CC recombinant methodologies. Also described is the expression of synthetic
 CC genes designed from repetitive peptide sequences, such as glycoproteins
 CC (including the peptide sequences of gum arabic glycoprotein (GAGP)).
 CC ABL51730 to ABL51849 and ABL518401 to ABL518544 represent sequences used
 CC in the exemplification of the present invention.
 SO Sequence 30 BP; 6 A; 19 C; 0 G; 5 T; 0 other;
 Query Match 3.3%; Score 19.2; DB 24; Length 30;
 Best Local Similarity 87.5%; Pred. No. 5.5e+04;
 Matches 21; Conservative 0; Mismatches 3; Indels 0; Gaps 0;
 QY 401 CCACCTTCACCTCCAGCTCCACT 424
 DB 4 CCACCTTCACCTCCAGCTCCACT 27
 RESULT 11
 ABL51739
 ID ABL51739 standard; DNA; 30 BP.
 AC ABL51739;
 XX 09-JUL-2002 (first entry)
 DT Hydroxyproline-rich glycoprotein (HRGP) related linker SEQ ID NO:38.
 DE Plant; Gum arabic glycoprotein; GAGP; hydroxyproline-rich glycoprotein;
 KW HRGP; repetitive proline-rich protein; RHRP; arabinogalactan protein;
 KM AGP; plant gum; PCR primer; linker; ss.
 OS Acacia senegal.
 OS Synthetic.
 PN WO200178503-A2.
 PD 25-OCT-2001.
 XX 12-APR-2001; 2001WO-US12336.
 PF 12-APR-2001; 2001WO-US12336.
 PR 12-APR-2000; 2000US-0547693.
 XX 12-APR-2000; 2000US-0547693.
 PA (UYOH-) UNIV OHIO.
 PI Kieliszewski MJ;
 DR WPI; 2002-041307/05.
 PT Nucleic acids and proteins useful for producing hydroxy-proline rich
 PT glycoproteins in plants.

XX Example 2; Page 53; 326pp; English.
 PS The present invention describes synthetic genes encoding plant gums and
 CC other hydroxyproline (Hyp)-rich glycoproteins (HRGPs) and the nucleic
 CC acids that encode them. The nucleic acids, proteins and methods from the
 CC present invention may be used to produce HRGPs, repetitive proline-rich
 CC proteins (RHRPs) and arabinogalactan-proteins (AGPs) in plants via
 CC recombinant methodologies. Also described is the expression of synthetic
 CC genes designed from repetitive peptide sequences, such as glycoproteins
 CC (including the peptide sequences of gum arabic glycoprotein (GAGP)).
 CC ABL51730 to ABL51849 and ABL518401 to ABL518544 represent sequences used
 CC in the exemplification of the present invention.
 SO Sequence 30 BP; 6 A; 19 C; 0 G; 5 T; 0 other;
 Query Match 3.3%; Score 19.2; DB 24; Length 30;
 Best Local Similarity 87.5%; Pred. No. 5.5e+04;
 Matches 21; Conservative 0; Mismatches 3; Indels 0; Gaps 0;
 QY 401 CCACCTTCACCTCCAGCTCCACT 424
 DB 4 CCACCTTCACCTCCAGCTCCACT 27
 RESULT 12
 AAV55821
 ID AAV55821 standard; DNA; 24 BP.
 AC AAV55821;
 XX 18-NOV-1998 (first entry)
 DT Multimerisation of minimal motifs using primer 2672.
 DE Fusion protein; stabilising polypeptide; proteolytic degradation;
 KW resistance; half-life; autoimmune disease; inflammation; nitro drug;
 KM IkappaB regulator protein; inflammatory bowel disease; in vivo imaging;
 KM nitroreductase protein; enzyme therapy; prodrug therapy; protease;
 KM cancer; pathological condition; minimal motif; PCR primer; ss.
 OS Synthetic.
 OS Epstein-Barr virus.
 PN WO9822577-A1.
 PD 28-MAY-1998.
 PF 17-NOV-1997; 97WO-IB01508.
 XX 25-JUN-1997; 97US-0048945.
 PR 15-NOV-1996; 96US-0030986.
 XX (MASU/) MASUCCI M. G.
 PA Masucci MG;
 PI WPI; 1998-312463/27.
 DR New fusion proteins resistant to proteolytic degradation -
 PT comprising a core protein with a stabilising polypeptide comprising
 PT a peptide sequence containing glycine repeats.
 PS Disclosure; Page 72; 120pp; English.
 CC Sequences shown in AAV55812 to AAV55827 represent primers used in the
 CC course of the invention for the multimerisation of minimal motifs. The
 CC invention provides a method for increasing the resistance of a core
 CC protein to proteolytic degradation that comprises linking or inserting
 CC onto or into the core protein a stabilising polypeptide of formula
 CC [(Gly)x(Gly)y(Gly)z]n where Glya, Glyb, Glyc are 1-6 sequential Gly
 CC residues and X, Y, Z are Ala, Ser, Val, Ile, Leu, Met, Phe, Pro or Thr
 CC and n can be anything between 1-66. X, Y and Z need not be identical

CC from a repeat to a repeat. Alternatively a nucleic acid encoding a
 CC stabilizing polypeptide can be linked onto or inserted into a nucleic
 CC acid encoding a core protein. The fusion proteins of the invention are
 CC more resistant to degradation by proteases and, thus, have a longer
 CC half-life than the unlinked core protein. The products can be used for
 CC treating autoimmune diseases, cancer and inflammation. In particular, the
 CC core protein may be an Ikappab regulator protein for the treatment of
 CC inflammatory bowel disease, or a nitroreductase protein which can
 CC activate nitro drugs in enzyme/prodrug therapy to treat cancer or other
 CC pathological conditions. The fusion proteins can also be used in
 CC diagnostic methods such as in vivo imaging.

CC Sequence 24 BP; 5 A; 13 C; 2 G; 4 T; 0 other;

Query Match 3.2%; Score 18.8; DB 19; Length 24;
 Best Local Similarity 90.9%; Pred. No. 6.6e+04;
 Matches 20; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

OY 400 TCCACCTGACCTCCAGCTCA 421
 DB 2 TCCACCTGACCTCCAGCTCA 23

RESULT 13

ID AAT17807/C
 AAT17807 standard; DNA; 30 BP.

AC AAT17807;

DT 30-OCT-1996 (first entry)

DE Glycosaminoglycan-degrading enzyme inhibitor LGSPS.

XX Glycosaminoglycan-degrading enzyme; GDE; inhibitor; endoglycosidase;
 KW heparinase; heparinase; mammalian; bacterial; platelet; macrophage;
 KW neutrophil; leukocyte; endothelial cell; smooth muscle cell; carcinoma;
 KW tumour cell; activation; proliferation; migration; cancer; inflammation;
 KW autoimmune disorder; infection; pathogenic organism; atherosclerosis;
 KW cardiovascular disease; vascular hyperplasia; restenosis; therapy; ss.
 XX
 OS Synthetic.

Key Location/Qualifiers
 1.30
 modified_base

/tag-^a
 /note- "phosphorothioate, or phosphorodithioate backbone"

PN WO9608559-A1.

PD 21-MAR-1996.

PF 13-SEP-1995; 95WO-AU00600.

PR 14-AUG-1995; 95AU-0004769.

PR 16-SEP-1994; 94AU-0008226.

PR 16-SEP-1994; 94AU-0008227.

PI (CARD-) CARDIAC CRC NOMINEES PTY LTD.

PI Graham L, Underwood PA;

DR WPI; 1996-179936/18.

XX Oligo(nucleotide(s) having sulphur substns. between nucleoside(s)
 XX for inhibiting glycosaminoglycan-degrading enzymes, for treating,
 XX e.g. cancer, inflammation, infection or autoimmune disorders.

PS Claim 6; Page 33; 73pp; English.

CC AAT17805-117808, and AAT17810-117813 represent
 CC glycosaminoglycan-degrading enzyme (GDE) inhibitors. The GDEs which
 CC these sequences inhibit are endoglycosidases (which cleave
 CC glycosaminoglycan chains at internal sites), preferably heparanases (also

CC known as heparinases) of mammalian or bacterial origin. These
 CC sequences can be used for inhibiting GDEs associated with platelets,
 CC macrophages, neutrophils, leukocytes, endothelial cells, smooth muscle
 CC cells, carcinoma and tumour cells, and bacteria. They can also be used
 CC to inhibit smooth muscle cell activation, proliferation or migration.
 CC The sequences can be used to treat cancer, inflammation, autoimmune
 CC disorders, infection caused by pathogenic organisms, and cardiovascular
 CC disease, such as vascular hyperplasia, restenosis and atherosclerosis.
 CC These inhibitors can also be used as biochemical reagents for studying
 CC GDE activities and mechanisms of enzyme activity.

CC Sequence 30 BP; 0 A; 5 C; 20 G; 5 T; 0 other;

Query Match 3.2%; Score 18.8; DB 17; Length 30;

Best Local Similarity 76.7%; Pred. No. 7.2e+04;
 Matches 23; Conservative 0; Mismatches 7; Indels 0; Gaps 0;

OY 411 GCCCTGCTCCGACCCGATCCCAACCC 540
 DB 30 GACCCGACCCGACCCGACCCGACCC 1

RESULT 14

ID ABL51740/C
 ABL51740 standard; DNA; 30 BP.

AC ABL51740;

DT 09-JUL-2002 (first entry)

DE Hydroxyproline-rich glycoprotein (HRGP) related linker SEQ ID NO:39.

XX Plant; Gum arabic glycoprotein; GAGP; hydroxyproline-rich glycoprotein;
 KW HRGP; repetitive proline-rich protein; RRP; arabinogalactan protein;
 KW AGP; plant gum; PCR primer; linker; ss.

OS Acacia senegal.
 XX Synthetic.

PN WO200178503-A2.

PD 25-OCT-2001.

PF 12-APR-2001; 2001WO-US12336.

PR 12-APR-2000; 2000US-0547693.

PA (UYOH-) UNIV OHIO.

PI Kteliszewski MJ;

DR WPI; 2002-041307/05.

PT Nucleic acids and proteins useful for producing hydroxy-proline rich
 PT glycoproteins in plants

PS Example 2; Page 53; 326pp; English.

CC The present invention describes synthetic genes encoding plant gums and
 CC other hydroxyproline (Hyp)-rich glycoproteins (HRGPs) and the nucleic
 CC acids that encode them. The nucleic acids, proteins and methods from the
 CC present invention may be used to produce HRGPs, repetitive proline-rich
 CC proteins (RPRPs) and arabinogalactan-proteins (AGPs) in plants via
 CC recombinant methodologies. Also described is the expression of synthetic
 CC genes designed from repetitive peptide sequences, such as glycoproteins
 CC (including the peptide sequences of gum arabic glycoprotein (GAGP)).
 CC ABL51730 to ABL51849 and ABL78401 to ABL78544 represent sequences used
 CC in the exemplification of the present invention.

CC Sequence 30 BP; 5 A; 0 C; 19 G; 6 T; 0 other;

Query Match 3.2%; Score 18.4; DB 24; Length 30;
 Best Local Similarity 78.6%; Pred. No. 9.4e+04;

Matches 22; Conservative 0; Mismatches 6; Indels 0; Gaps 0

OY 402 CACCTTACTCTCCAGCTCCACTTATACC 429
 DB 29 CACCTTCACCCCATCTCTCACACACACC 2

Search completed: May 21, 2003, 06:35:23
 Job time : 223 secs

RESULTS

ABK97993/c
 ID ABK97993 standard; DNA: 23 BP.

AC ABK97993

DT 07-DEC-2002 (first entry)

DE Cell-free method associated GATA mut oligonucleotide.

KW Transcription factor; transcription factor-responsive element;

XX ds; TFRF; transcription activation; Cell-TRAP.

OS Synthetic.

PN WO200252039-A2.

PD 04-JUL-2002.

PF 21-DEC-2001; 2001WO-CA01861.

PR 27-DEC-2000; 2000CA-2327581.

PA (GENE-) GENEKA BIOTECHNOLOGY INC.

PI Blais Y, Rousseau P, Leblanc B, Camato RN;

DR WPI; 2002-575388/61.

PT A Cell-TRAP method, useful for producing or validating therapeutic
 PT compounds, by employing a recombinant cell-based library that carry
 PT constructs driven by a minimal promoter and a transcription
 PT factor-responsive element.

XX Disclosure; Page 24; 44pp; English.

CC This invention relates to a cell-TRAP method for selecting and producing
 CC a therapeutic compound which is presumed selective for, one or a
 CC restricted set of given transcriptional pathways and cell types by
 CC employing a recombinant cell-based library that carries a construct
 CC comprising a reporter gene driven by a minimal promoter and a
 CC transcription factor-responsive element (TFRF). The invention also
 CC comprises a method for validating a putative compound as a selective
 CC therapeutic compound towards a transcription factor response element.
 CC The method of the invention is useful for determining the
 CC transcriptional activation pathways used by any compound that is
 CC biologically active in a cell. This method allows a global view of gene
 CC transcription activation in response to diverse stimuli in multiple
 CC environments and is a significant improvement over case-by-case
 CC approaches, which would be limited to certain aspects of gene
 CC activation. It permits to save on clinical trials by screening properly
 CC the compounds that would have a lesser probability of providing
 CC undesirable, even severe side effects. The present sequence
 CC represents a double stranded oligonucleotide probe recognised by a
 CC specific transcription factor which is used in the method of the
 CC invention.

XX Sequence 23 BP; 2 A; 9 C; 8 G; 4 T; 0 other;

Query Match 3 1%; Score 18.2; DB 24; Length 23;

Best Local Similarity 87.0%; Fred. No. 9.6e+04;

Matches 20; Conservative 0; Mismatches 3; Indels 0; Gaps 0;

OY 457 CCCCCGAGAGAGTGGCACCACC 479

DB 23 CCCCCGAGAGAGTGGCACCACC 1

GenCore version 5.1.4 p5.4578
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OM nucleic - nucleic search, using sw model

Run on May 21, 2003, 06:16:20 ; Search time 75 Seconds

(without alignments)
2387.990 Million cell updates/sec

Title: US-09-695-451-1_COPY_727_1310

Perfect score 584
Sequence 1 tgcacagagagagacacacacacacacacagagagcctaga 584

Scoring table:
IDENTITY_NDC
Gapop 10.0 ; Gapext 1.0

Searched: 441362 seqs, 15338381 residues

Total number of hits satisfying chosen parameters: 45214

Minimum DB seq length: 0
Maximum DB seq length: 30

Post-processing: Minimum Match 0%
Maximum Match 100%

Listing first 45 summaries

Database :

Issued Patents, NA: *
1: /cgn2_6/ptodata/1/lna/5A.COMB.seq: *
2: /cgn2_6/ptodata/1/lna/5B.COMB.seq: *
3: /cgn2_6/ptodata/1/lna/6A.COMB.seq: *
4: /cgn2_6/ptodata/1/lna/6B.COMB.seq: *
5: /cgn2_6/ptodata/1/lna/PCTUS.COMB.seq: *
6: /cgn2_6/ptodata/1/lna/Backfile1.seq: *

Pred. No. is the number of results predicted by chance to have a
score greater than or equal to the score of the result being printed,
and is derived by analysis of the total score distribution.

SUMMARIES

Result No.	Score	Query Match	Length	DB ID	Description
1	21	3.6	21	4	US-08-804-166-19
2	21	3.6	21	4	US-08-910-991-19
3	20	3.6	24	2	US-08-529-190B-7
4	20	3.4	30	1	US-08-050-319B-15
5	20	3.4	30	2	US-08-465-982-15
6	19	3.2	24	2	US-08-529-190B-10
7	18	3.2	24	2	US-08-529-190B-16
8	18	3.2	25	2	US-08-403-888A-33
9	18	3.1	25	2	US-08-403-888A-34
10	18	3.1	18	1	US-08-192-102-15
11	18	3.1	18	1	US-08-324-799-15
12	18	3.1	18	2	US-08-192-861A-15
13	18	3.1	18	3	US-09-106-038A-47
14	18	3.1	18	3	US-09-106-038A-51
15	18	3.1	18	3	US-09-106-038A-52
16	18	3.1	18	3	US-09-106-038A-53
17	18	3.1	18	3	US-09-106-038A-54
18	18	3.1	18	3	US-09-106-038A-55
19	18	3.1	18	3	US-09-106-038A-56
20	18	3.1	18	3	US-09-106-038A-57
21	18	3.1	18	3	US-09-106-038A-58
22	18	3.1	18	3	US-09-106-038A-59
23	18	3.1	18	3	US-09-106-038A-60
24	18	3.1	18	3	US-09-106-038A-61
25	18	3.1	18	3	US-09-106-038A-62
26	18	3.1	18	3	US-09-106-038A-63
27	18	3.1	18	3	US-09-106-038A-64

28	18	3.1	18	3	US-09-106-038A-62	Sequence 62, Appl
29	18	3.1	18	3	US-09-106-038A-63	Sequence 63, Appl
30	18	3.1	18	3	US-09-106-038A-64	Sequence 64, Appl
31	18	3.1	18	3	US-09-106-038A-65	Sequence 65, Appl
32	18	3.1	18	3	US-09-106-038A-66	Sequence 66, Appl
33	18	3.1	18	3	US-09-106-038A-67	Sequence 67, Appl
34	18	3.1	18	3	US-09-106-038A-68	Sequence 68, Appl
35	18	3.1	18	3	US-09-106-038A-69	Sequence 69, Appl
36	18	3.1	18	3	US-09-106-038A-70	Sequence 70, Appl
37	18	3.1	18	4	US-09-133-119-15	Sequence 15, Appl
38	18	3.1	18	4	US-08-192-093A-15	Sequence 15, Appl
39	18	3.1	24	4	US-08-697-610-11	Sequence 11, Appl
40	18	3.1	24	4	US-08-349-357-11	Sequence 11, Appl
41	17	3.0	23	1	US-08-474-542A-150	Sequence 150, App
42	17	3.0	23	1	US-08-474-542A-151	Sequence 151, App
43	17	3.0	23	1	US-08-457-648-150	Sequence 150, App
44	17	3.0	23	1	US-08-457-648-151	Sequence 151, App
45	17	3.0	24	2	US-08-529-190B-13	Sequence 13, Appl

ALIGNMENTS

RESULT 1
US-08-804-166-19/c
Sequence 19, Application US/08804166

Patent No. 6193972

GENERAL INFORMATION:

APPLICANT: Campbell, Robert K.

APPLICANT: Jameson, Bradford A.

APPLICANT: Chappel, Scott C.

TITLE OF INVENTION: HYBRID PROTEINS

NUMBER OF SEQUENCES: 22

CORRESPONDENCE ADDRESS:

ADDRESS: BROWDY AND NEWMARK

STREET: 419 Seventh Street N.W., Ste. 300

CITY: Washington

STATE: D.C.

COUNTRY: USA

ZIP: 22207

COMPUTER READABLE FORM:

MEDIUM TYPE: Floppy disk

COMPUTER: IBM PC compatible

OPERATING SYSTEM: PC-DOS/MS-DOS

SOFTWARE: Patentia Release #1.0, Version #1.30

CURRENT APPLICATION DATA:

APPLICATION NUMBER: US/08/804,166

FILING DATE: 20 February 1996

CLASSIFICATION:

PRIOR APPLICATION DATA:

APPLICATION NUMBER: 60/011,936

FILING DATE: 20 February 1996

CLASSIFICATION:

ATTORNEY/AGENT INFORMATION:

NAME: Browdy, Roger L.

REGISTRATION NUMBER: 25,618

REFERENCE/DOCKET NUMBER: CAMPBELL-2A

TELECOMMUNICATION INFORMATION:

TELEPHONE: (202) 628-5197

TELEFAX: (202) 737-3528

INFORMATION FOR SEQ ID NO: 19:

SEQUENCE CHARACTERISTICS:

LENGTH: 21 base pairs

TYPE: nucleic acid

STRANDEDNESS: single

TOPOLOGY: linear

MOLECULE TYPE: CDNA

US-08-804-166-19

Query Match 3.6%; Score 21; DB 4; Length 21;
Best Local Similarity 100.0%; Pred. No. 1.3e+03;
Matches 21; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

OY 142 ACTGAGACTCAGCACCACA 162
DB 21 ACTGAGACTCAGCACCACA 1

RESULT 2

US-08-910-991-19/c
Sequence 19, Application US/08910991
Patent No. 6194177

GENERAL INFORMATION:

APPLICANT: Campbell, Robert K.
APPLICANT: Jameson, Bradford A.
APPLICANT: Chappel, Scott C.
TITLE OF INVENTION: HYBRID PROTEINS
NUMBER OF SEQUENCES: 32
CORRESPONDENCE ADDRESS:

ADDRESSEE: BROWDY AND NEWMARK
STREET: 419 Seventh Street N.W., Ste. 300
CITY: Washington
STATE: D.C.
COUNTRY: USA
ZIP: 22207

COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Patent Release #1.0, Version #1.30
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/910,991
FILING DATE:

CLASSIFICATION: 530
PRIOR APPLICATION DATA:
APPLICATION NUMBER: 08/804,166
FILING DATE: 20 February 1997
PRIOR APPLICATION DATA: 60/011,936
APPLICATION NUMBER: 60/011,936
FILING DATE: 20 February 1996

ATTORNEY/AGENT INFORMATION:
NAME: YUN, Allen C.
REGISTRATION NUMBER: 37,971

REFERENCE/DOCKET NUMBER: CAMPBELL-28
TELECOMMUNICATION INFORMATION:
TELEPHONE: (202) 628-5197
TELEFAX: (202) 737-3528
INFORMATION FOR SEQ ID NO: 19:

SEQUENCE CHARACTERISTICS:
LENGTH: 21 base pairs
TYPE: nucleic acid

STRANDEDNESS: single
TOPOLOGY: linear
MOLECULE TYPE: cDNA

US-08-910-991-19

Query Match 3.6%; Score 21; DB 4; Length 21;
Best Local Similarity 100.0%; Pred. No. 1.3e+03;
Matches 21; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

OY 142 ACTGAGACTCAGCACCACA 162
DB 21 ACTGAGACTCAGCACCACA 1

RESULT 3

US-08-529-1908-7
Sequence 7, Application US/085291908
Patent No. 5833991

GENERAL INFORMATION:
APPLICANT: Masucci, Maria G.
TITLE OF INVENTION: GLYCINE-CONTAINING SEQUENCES
NUMBER OF SEQUENCES: 76
CORRESPONDENCE ADDRESS:
ADDRESSEE: Banner & Witcoff, Ltd.

STREET: One Financial Center
CITY: Boston
STATE: MA
COUNTRY: USA
ZIP: 02111

COMPUTER READABLE FORM:
MEDIUM TYPE: Diskette
COMPUTER: IBM Compatible
OPERATING SYSTEM: DOS
SOFTWARE: Wordperfect 6.1

CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/529,1908
FILING DATE: 15-SEP-1995
CLASSIFICATION: 514

PRIOR APPLICATION DATA:
APPLICATION NUMBER: SE8501324-9
FILING DATE: 10-APR-1995

FOR APPLICATION DATA:
APPLICATION NUMBER: US08/522,595
FILING DATE: 01-SEP-1995
ATTORNEY/AGENT INFORMATION:

NAME: Williams, Ph.D., Kathleen A
REGISTRATION NUMBER: 34,380
REFERENCE/DOCKET NUMBER: 3255/53015
TELECOMMUNICATION INFORMATION:
TELEPHONE: 617-345-9100
TELEFAX: 617-345-9111

INFORMATION FOR SEQ ID NO: 7:
SEQUENCE CHARACTERISTICS:

LENGTH: 24 bases
TYPE: nucleic acid

STRANDEDNESS: single
TOPOLOGY: linear

MOLECULE TYPE: other nucleic acid
US-08-529-1908-7

Query Match 3.6%; Score 20.8; DB 2; Length 24;
Best Local Similarity 91.7%; Pred. No. 1.6e+03;
Matches 22; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

OY 399 TTCACCTTCACCTCAGCTCCAC 422
DB 1 TTCACCTTCACCTCAGCTCCAC 24

US-08-050-319B-15/c
Sequence 15, Application US/08050319B
Patent No. 5633145

GENERAL INFORMATION:
APPLICANT: M. Feldmann, P. W. Gray,
TITLE OF INVENTION: Modified human TNFalpha (Tumor

NUMBER OF SEQUENCES: 57
CORRESPONDENCE ADDRESS:
ADDRESSEE: Reed & Robbins
STREET: 635 Bryant Street
CITY: Palo Alto
STATE: California

ZIP: 94301
COUNTRY: USA
COMPUTER READABLE FORM:

MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS

SOFTWARE: Patent Release #1.0, version #1.25
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/050,319B
FILING DATE: 10-May-1993
CLASSIFICATION: 435

ATTORNEY/AGENT INFORMATION:
NAME: Robbins, Roberta L.

REGISTRATION NUMBER: 33,208
REFERENCE/DOCKET NUMBER: 5150-0030

TELECOMMUNICATION INFORMATION:

TELEPHONE: (415) 617-8999

TELEFAX: (415) 327-3231

INFORMATION FOR SEQ ID NO: 15:

SEQUENCE CHARACTERISTICS:

LENGTH: 30 base pairs

TYPE: nucleic acid

STRANDEDNESS: single

TOPOLOGY: linear

MOLECULE TYPE: DNA (genomic)

US-08-050/415B-15

Query Match 3.4%; Score 20; DB 1; Length 30;

Best Local Similarity 100.0%; Pred. No. 3e+03;

Matches 20; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

OY 13 CAGAACCGGTGTGACCTG 32

DB 30 CAGAACCGGTGTGACCTG 11

RESULT 5

US-08-465-982-15/C

Sequence 15, Application US/08465982

Patent No. 5863786

GENERAL INFORMATION:

APPLICANT: M. Feldmann, P.W. Gray,

APPLICANT: M.J.C. Turner, F.M. Brennan

TITLE OF INVENTION: Modified human TNFalpha (Tumor

TITLE OF INVENTION: Necrosis Factor alpha) Receptor

NUMBER OF SEQUENCES: 57

CORRESPONDENCE ADDRESS:

ADDRESSEE: Reed & Robbins

STREET: 635 Bryant Street

CITY: Palo Alto

STATE: California

COUNTRY: USA

ZIP: 94301

COMPUTER READABLE FORM:

MEDIUM TYPE: floppy disk

COMPUTER: IBM PC compatible

OPERATING SYSTEM: PC-DOS/MS-DOS

SOFTWARE: Patent Release #1.0, version #1.25

CURRENT APPLICATION DATA:

APPLICATION NUMBER: US/08/465,982

FILING DATE:

CLASSIFICATION:

PRIOR APPLICATION DATA:

APPLICATION NUMBER: US/08/050,319

FILING DATE: 10-MAY-1993

ATTORNEY/AGENT INFORMATION:

NAME: Robbins, Roberta L.

REGISTRATION NUMBER: 33,208

REFERENCE/DOCKET NUMBER: 5150-0030

TELECOMMUNICATION INFORMATION:

TELEPHONE: (415) 617-8999

TELEFAX: (415) 327-3231

INFORMATION FOR SEQ ID NO: 15:

SEQUENCE CHARACTERISTICS:

LENGTH: 30 base pairs

TYPE: nucleic acid

STRANDEDNESS: single

TOPOLOGY: linear

MOLECULE TYPE: DNA (genomic)

US-08-465-982-15

Query Match 3.4%; Score 20; DB 2; Length 30;

Best Local Similarity 100.0%; Pred. No. 3e+03;

Matches 20; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

OY 13 CAGAACCGGTGTGACCTG 32

DB 30 CAGAACCGGTGTGACCTG 11

US-08-529-190B-10

Sequence 10, Application US/08529190B

Patent No. 5833991

GENERAL INFORMATION:

APPLICANT: Masucci, Maria G.

TITLE OF INVENTION: GLYCINE-CONTAINING SEQUENCES

TITLE OF INVENTION: CONFERRING INVISIBILITY TO THE IMMUNE SYSTEM

NUMBER OF SEQUENCES: 76

CORRESPONDENCE ADDRESS:

ADDRESSEE: Banner & Witcoff, Ltd.

STREET: One Financial Center

CITY: Boston

STATE: MA

COUNTRY: USA

ZIP: 02111

COMPUTER READABLE FORM:

MEDIUM TYPE: Diskette

COMPUTER: IBM Compatible

OPERATING SYSTEM: DOS

SOFTWARE: Wordperfect 6.1

CURRENT APPLICATION DATA:

APPLICATION NUMBER: US/08/529,190B

FILING DATE: 15-SEP-1995

CLASSIFICATION: 514

PRIOR APPLICATION DATA:

APPLICATION NUMBER: SE9501324-9

FILING DATE: 10-APR-1995

PRIOR APPLICATION DATA:

APPLICATION NUMBER: US08/522,595

FILING DATE: 01-SEP-1995

ATTORNEY/AGENT INFORMATION:

NAME: Williams, Ph.D., Kathleen A

REGISTRATION NUMBER: 34,380

REFERENCE/DOCKET NUMBER: 3255/53015

TELECOMMUNICATION INFORMATION:

TELEPHONE: 617-345-9100

TELEFAX: 617-345-9111

INFORMATION FOR SEQ ID NO: 10:

SEQUENCE CHARACTERISTICS:

LENGTH: 24 bases

TYPE: nucleic acid

STRANDEDNESS: single

TOPOLOGY: linear

US-08-529-190B-10

Query Match 3.3%; Score 19.2; DB 2; Length 24;

Best Local Similarity 87.5%; Pred. No. 4.7e+03;

Matches 21; Conservative 0; Mismatches 3; Indels 0; Gaps 0;

OY 399 TTCACCTTCACCTCCAGCTCCAC 422

DB 1 TTCACCTTCACCTCCAGCTCCAC 24

US-08-529-190B-16

Sequence 16, Application US/08529190B

Patent No. 5833991

GENERAL INFORMATION:

APPLICANT: Masucci, Maria G.

TITLE OF INVENTION: GLYCINE-CONTAINING SEQUENCES

TITLE OF INVENTION: CONFERRING INVISIBILITY TO THE IMMUNE SYSTEM

NUMBER OF SEQUENCES: 76

CORRESPONDENCE ADDRESS:

ADDRESSEE: Banner & Witcoff, Ltd.

STREET: One Financial Center

CITY: Boston

STATE: MA

COUNTRY: USA
ZIP: 02111
COMPUTER READABLE FORM:
MEDIUM TYPE: Diskette
COMPUTER: IBM Compatible
OPERATING SYSTEM: DOS
SOFTWARE: Wordperfect 6.1
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/529,1908
FILING DATE: 15-SEP-1995
CLASSIFICATION: 514
PRIOR APPLICATION DATA:
APPLICATION NUMBER: SE9501324-9
FILING DATE: 10-APR-1995
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US08/522,595
FILING DATE: 01-SEP-1995
ATTORNEY/AGENT INFORMATION:
NAME: Williams, Ph.D., Kathleen A
REGISTRATION NUMBER: 34,380
REFERENCE/DOCKET NUMBER: 3255/53015
TELECOMMUNICATION INFORMATION:
TELEPHONE: 617-345-9100
TELEFAX: 617-345-9111
INFORMATION FOR SEQ ID NO: 16:
SEQUENCE CHARACTERISTICS:
LENGTH: 24 bases
TYPE: nucleic acid
STRANDEDNESS: single
TOPOLOGY: linear
MOLECULE TYPE: other nucleic acid
US-08-529-1908-16

Query Match 3.2%; Score 18.8; DB 2; Length 24;
Best Local Similarity 90.9%; Pred. No. 6.2e+03;
Matches 20; Conservative 0; Mismatches 2; Indels 0; Gaps 0;
QY 400 TCCACCTTCACCTCCAGCTCCA 421
DB 2 TCCACCCGACCTCCAGCTCCA 23

RESULT 8
US-08-403-888A-33/C
Sequence 33, Application US/08403888A
Patent No. 5952490
GENERAL INFORMATION:
APPLICANT: Hanecak et al.
TITLE OF INVENTION: Oligonucleotides Having A Conserved G4 Core
NUMBER OF SEQUENCES: 146
CORRESPONDENCE ADDRESS:
ADDRESS: Woodcock Washburn Kurtz Mackiewicz & No. 5952490rls LLP
STREET: One Liberty Place - 46th Floor
CITY: Philadelphia
STATE: PA
COUNTRY: U.S.A.
ZIP: 19103
COMPUTER READABLE FORM:
MEDIUM TYPE: 3.5 inch disk, 1.44 MB
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Wordperfect 6.1
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/403,888A
FILING DATE: 12-JUN-1995
CLASSIFICATION: 435
PRIOR APPLICATION DATA:
APPLICATION NUMBER: 07/954,185
FILING DATE: 29-SEP-1992
ATTORNEY/AGENT INFORMATION:
NAME: Paul K. Legard
REGISTRATION NUMBER: 38,534

REFERENCE/DOCKET NUMBER: ISIS-1229
TELECOMMUNICATION INFORMATION:
TELEPHONE: 215-568-3100
TELEFAX: 215-568-3439
INFORMATION FOR SEQ ID NO: 33:
SEQUENCE CHARACTERISTICS:
LENGTH: 25
TYPE: nucleic acid
STRANDEDNESS: single
TOPOLOGY: linear
US-08-403-888A-33

Query Match 3.1%; Score 18.2; DB 2; Length 25;
Best Local Similarity 87.0%; Pred. No. 9.6e+03;
Matches 20; Conservative 0; Mismatches 3; Indels 0; Gaps 0;
QY 518 CCTCGACCCATCCCAACCC 540
DB CCCCCAACCCCAACCCCAACCC 3

RESULT 9
US-08-403-888A-34/C
Sequence 34, Application US/08403888A
Patent No. 5952490
GENERAL INFORMATION:
APPLICANT: Hanecak et al.
TITLE OF INVENTION: Oligonucleotides Having A Conserved G4 Core
NUMBER OF SEQUENCES: 146
CORRESPONDENCE ADDRESS:
ADDRESS: Woodcock Washburn Kurtz Mackiewicz & No. 5952490rls LLP
STREET: One Liberty Place - 46th Floor
CITY: Philadelphia
STATE: PA
COUNTRY: U.S.A.
ZIP: 19103
COMPUTER READABLE FORM:
MEDIUM TYPE: 3.5 inch disk, 1.44 MB
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Wordperfect 6.1
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/403,888A
FILING DATE: 12-JUN-1995
CLASSIFICATION: 435
PRIOR APPLICATION DATA:
APPLICATION NUMBER: 07/954,185
FILING DATE: 29-SEP-1992
ATTORNEY/AGENT INFORMATION:
NAME: Paul K. Legard
REGISTRATION NUMBER: 38,534
REFERENCE/DOCKET NUMBER: ISIS-1229
TELECOMMUNICATION INFORMATION:
TELEPHONE: 215-568-3100
TELEFAX: 215-568-3439
INFORMATION FOR SEQ ID NO: 34:
SEQUENCE CHARACTERISTICS:
LENGTH: 25
TYPE: nucleic acid
STRANDEDNESS: single
TOPOLOGY: linear
US-08-403-888A-34

Query Match 3.1%; Score 18.2; DB 2; Length 25;
Best Local Similarity 87.0%; Pred. No. 9.6e+03;
Matches 20; Conservative 0; Mismatches 3; Indels 0; Gaps 0;
QY 518 CCTCGACCCATCCCAACCC 540
DB 25 CCCCCAACCCCAACCCCAACCC 3

RESULT 10

US-08-192-102-15/c

Sequence 15, Application US/08192102

Patent No. 5656272

GENERAL INFORMATION:

APPLICANT: Le, Junming

APPLICANT: Vilcek, Jan

APPLICANT: Daddona, Peter E.

APPLICANT: Chirayeb, John

APPLICANT: Knight, David M.

APPLICANT: Siegel, Scott A.

TITLE OF INVENTION: ANTI-TNF ANTIBODIES AND ASSAYS EMPLOYING

TITLE OF INVENTION: ANTI-TNF ANTIBODIES

NUMBER OF SEQUENCES: 19

CORRESPONDENCE ADDRESS:

ADDRESS: Hamilton, Brook, Smith & Reynolds, P.C.

STREET: Two Millitia Drive

CITY: Lexington

STATE: Massachusetts

COUNTRY: USA

ZIP: 02173

COMPUTER READABLE FORM:

MEDIUM TYPE: Floppy disk

COMPUTER: IBM PC compatible

OPERATING SYSTEM: PC-DOS/MS-DOS

SOFTWARE: Patentin Release #1.0, Version #1.25

CURRENT APPLICATION DATA:

APPLICATION NUMBER: US/08/192,102

FILING DATE: 04-FEB-1994

CLASSIFICATION: 424

PRIOR APPLICATION DATA:

APPLICATION NUMBER: US/08/192,093

FILING DATE: 04-FEB-1994

APPLICATION NUMBER: US/08/013,413

FILING DATE: 02-FEB-1993

APPLICATION NUMBER: US/08/010,406

FILING DATE: 29-JAN-1993

PRIOR APPLICATION DATA:

APPLICATION NUMBER: US/07/943,852

FILING DATE: 11-SEP-1992

PRIOR APPLICATION DATA:

APPLICATION NUMBER: US/07/853,606

FILING DATE: 18-MAR-1992

PRIOR APPLICATION DATA:

APPLICATION NUMBER: US/07/670,827

FILING DATE: 18-MAR-1991

ATTORNEY/AGENT INFORMATION:

NAME: Brook, David E.

REGISTRATION NUMBER: 22,592

REFERENCE/DOCKET NUMBER: NT093-01M3

TELECOMMUNICATION INFORMATION:

TELEPHONE: (617) 861-6240

TELEFAX: (617) 861-9540

INFORMATION FOR SEQ ID NO: 15:

SEQUENCE CHARACTERISTICS:

LENGTH: 18 base pairs

TYPE: nucleic acid

STRANDEDNESS: single

TOPOLOGY: linear

MOLECULE TYPE: CDNA

US-08-192-102-15

Query Match

Best Local Similarity 100.0%; Score 18; DB 1; Length 18;

Matches 18; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 109 TTGTGCTACCCAGATT 126

DB 18 TTGTGCTACCCAGATT 1

RESULT 11

US-08-324-799-15/c

Sequence 15, Application US/08324799

Patent No. 5698195

GENERAL INFORMATION:

APPLICANT: Le, Junming

APPLICANT: Vilcek, Jan

APPLICANT: Daddona, Peter E.

APPLICANT: Chirayeb, John

APPLICANT: Knight, David M.

APPLICANT: Siegel, Scott A.

TITLE OF INVENTION: ANTI-TNF ANTIBODIES AND PEPTIDES

TITLE OF INVENTION: OF HUMAN TUMOR NECROSIS FACTOR

NUMBER OF SEQUENCES: 19

CORRESPONDENCE ADDRESS:

ADDRESS: Hamilton, Brook, Smith & Reynolds, P.C.

STREET: Two Millitia Drive

CITY: Lexington

STATE: Massachusetts

COUNTRY: USA

ZIP: 02173

COMPUTER READABLE FORM:

MEDIUM TYPE: Floppy disk

COMPUTER: IBM PC compatible

OPERATING SYSTEM: PC-DOS/MS-DOS

SOFTWARE: Patentin Release #1.0, Version #1.25

CURRENT APPLICATION DATA:

APPLICATION NUMBER: US/08/324,799

FILING DATE: 18-OCT-1994

PRIOR APPLICATION DATA:

APPLICATION NUMBER: US/08/192,093

FILING DATE: 04-FEB-1994

APPLICATION NUMBER: US/08/192,102

FILING DATE: 04-FEB-1994

APPLICATION NUMBER: US/08/013,413

FILING DATE: 02-FEB-1993

APPLICATION NUMBER: US/08/010,406

FILING DATE: 29-JAN-1993

PRIOR APPLICATION DATA:

APPLICATION NUMBER: US/07/943,852

FILING DATE: 11-SEP-1992

PRIOR APPLICATION DATA:

APPLICATION NUMBER: US/07/853,606

FILING DATE: 18-MAR-1992

PRIOR APPLICATION DATA:

APPLICATION NUMBER: US/07/670,827

FILING DATE: 18-MAR-1991

ATTORNEY/AGENT INFORMATION:

NAME: Brook, David E.

REGISTRATION NUMBER: 22,592

REFERENCE/DOCKET NUMBER: NT093-01M4

TELECOMMUNICATION INFORMATION:

TELEPHONE: (617) 861-6240

TELEFAX: (617) 861-9540

INFORMATION FOR SEQ ID NO: 15:

SEQUENCE CHARACTERISTICS:

LENGTH: 18 base pairs

TYPE: nucleic acid

STRANDEDNESS: single

TOPOLOGY: linear

MOLECULE TYPE: CDNA

US-08-324-799-15

Query Match

Best Local Similarity 100.0%; Score 18; DB 1; Length 18;

Matches 18; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 109 TTGTGCTACCCAGATT 126

DB 18 TTGTGCTACCCAGATT 1

RESULT 11

Db 18 TTGTGCTACCCAGATT 1

RESULT 12

US-08-192-861A-15/C
Sequence 15; Application US/08192861A
Patent No. 5919452

GENERAL INFORMATION:

APPLICANT: Le, Junming
APPLICANT: Vlicek, Jan
APPLICANT: Daddona, Peter E.
APPLICANT: Ghayeb, John
APPLICANT: Knight, David M.
APPLICANT: Siegel, Scott A.
TITLE OF INVENTION: METHODS OF TREATING TNF-MEDIATED DISEASE USING
TITLE OF INVENTION: CHIMERIC ANTI-TNF ANTIBODIES (As Amended)
NUMBER OF SEQUENCES: 19
CORRESPONDENCE ADDRESSES:
ADDRESSEE: Hamilton, Brook, Smith & Reynolds, P.C.
STREET: Two Millita Drive
CITY: Lexington
STATE: Massachusetts
COUNTRY: USA
ZIP: 02173

COMPUTER READABLE FORM:

MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Patent Release #1.0, Version #1.25
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/192,861A
FILING DATE: 04-FEB-1994
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 08/013,413
FILING DATE: 02-FEB-1993
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 08/010,406
FILING DATE: 29-JAN-1993
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 07/943,852
FILING DATE: 11-SEP-1992
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 07/853,606
FILING DATE: 18-MAR-1992
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 07/670,827
FILING DATE: 18-MAR-1991
ATTORNEY/AGENT INFORMATION:
NAME: Brook, David E.
REGISTRATION NUMBER: 22,592
REFERENCE/DOCKET NUMBER: NY93-01M2
TELECOMMUNICATION INFORMATION:
TELEPHONE: (781) 861-6240
TELEFAX: (781) 861-9540
INFORMATION FOR SEQ ID NO: 15:
SEQUENCE CHARACTERISTICS:
LENGTH: 18 base pairs
TYPE: nucleic acid
STRANDEDNESS: single
TOPOLOGY: linear
MOLECULE TYPE: CDNA
US-08-192-861A-15

Query Match

Best Local Similarity: 3.1%; Score 18; DB 2; Length 18;
Matches 18; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 109 TTGTGCTACCCAGATT 126
Db 18 TTGTGCTACCCAGATT 1

RESULT 13

US-09-106-038A-47/C
Sequence 47; Application US/09106038A
Patent No. 6007995

GENERAL INFORMATION:

APPLICANT: Brenda F. Baker and Lex M. Cowser
TITLE OF INVENTION: ANTISENSE MODULATION OF TNFR1
TITLE OF INVENTION: EXPRESSION
NUMBER OF SEQUENCES: 91
CORRESPONDENCE ADDRESSES:
ADDRESSEE: Isis Pharmaceuticals, Inc.
STREET: 2292 Faraday Avenue
CITY: Carlsbad
STATE: CA
COUNTRY: U.S.A.
ZIP: 92008

COMPUTER READABLE FORM:

MEDIUM TYPE: 3.5 inch disk, 1.44 MB
COMPUTER: IBM PC compatible
OPERATING SYSTEM: Windows NT
SOFTWARE: Microsoft Word 97
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/09/106,038A
FILING DATE: June 26, 1998
CLASSIFICATION: 514
ATTORNEY/AGENT INFORMATION:
NAME: Laurel Spear Bernstein
REGISTRATION NUMBER: 37,280
REFERENCE/DOCKET NUMBER: RTS-0004
TELECOMMUNICATION INFORMATION:
TELEPHONE: (760) 931-9200
TELEFAX: (760) 603-3820
INFORMATION FOR SEQ ID NO: 47:
SEQUENCE CHARACTERISTICS:
LENGTH: 18
TYPE: nucleic acid
STRANDEDNESS: single
TOPOLOGY: linear
US-09-106-038A-47

Query Match 3.1%; Score 18; DB 3; Length 18;
Best Local Similarity 100.0%; Pred. No. 9.4e+03;
Matches 18; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 6 GGAGAAACAGACACCGT 23
Db 18 GGAGAAACAGACACCGT 1

RESULT 14

US-09-106-038A-48/C
Sequence 48; Application US/09106038A
Patent No. 6007995

GENERAL INFORMATION:

APPLICANT: Brenda F. Baker and Lex M. Cowser
TITLE OF INVENTION: ANTISENSE MODULATION OF TNFR1
TITLE OF INVENTION: EXPRESSION
NUMBER OF SEQUENCES: 91
CORRESPONDENCE ADDRESSES:
ADDRESSEE: Isis Pharmaceuticals, Inc.
STREET: 2292 Faraday Avenue
CITY: Carlsbad
STATE: CA
COUNTRY: U.S.A.
ZIP: 92008

COMPUTER READABLE FORM:

MEDIUM TYPE: 3.5 inch disk, 1.44 MB
COMPUTER: IBM PC compatible
OPERATING SYSTEM: Windows NT
SOFTWARE: Microsoft Word 97
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/09/106,038A
FILING DATE: June 26, 1998

Search completed: May 21, 2003, 07:31:30
Job time : 77 secs

CLASSIFICATION: 514

ATTORNEY/AGENT INFORMATION:

NAME: Laurel Spear Bernstein

REGISTRATION NUMBER: 37,280

REFERENCE/DOCKET NUMBER: RTS-0004

TELECOMMUNICATION INFORMATION:

TELEPHONE: (760) 931-9200

TELEFAX: (760) 603-3820

INFORMATION FOR SEQ ID NO: 48:

SEQUENCE CHARACTERISTICS:

LENGTH: 18

TYPE: nucleic acid

STRANDEDNESS: single

TOPOLOGY: linear

US-09-106-038A-48

Query Match

Best Local Similarity 100.0%; Score 18; DB 3; Length 18;

Matches 18; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 60 CGAGTGTCTCTCTGTAG 77

DB 18 CGAGTGTCTCTCTGTAG 1

RESULT 15

US-09-106-038A-49/C

Sequence 49, Application US/09106038A

Patent No. 6007995

GENERAL INFORMATION:

APPLICANT: Brenda F. Baker and Lex M. Cowsett

TITLE OF INVENTION: ANTISENSE MODULATION OF TNFR1

NUMBER OF SEQUENCES: 91

CORRESPONDENCE ADDRESS:

ADDRESSEE: Isis Pharmaceuticals, Inc.

STREET: 2292 Faraday Avenue

CITY: Carlsbad

STATE: CA

COUNTRY: U.S.A.

ZIP: 92008

COMPUTER READABLE FORM:

MEDIUM TYPE: 3.5 inch disk, 1.44 MB

COMPUTER: IBM PC compatible

OPERATING SYSTEM: Windows NT

SOFTWARE: Microsoft Word 97

CURRENT APPLICATION DATA:

APPLICATION NUMBER: US/09/106,038A

FILING DATE: June 26, 1998

CLASSIFICATION: 514

ATTORNEY/AGENT INFORMATION:

NAME: Laurel Spear Bernstein

REGISTRATION NUMBER: 37,280

REFERENCE/DOCKET NUMBER: RTS-0004

TELECOMMUNICATION INFORMATION:

TELEPHONE: (760) 931-9200

TELEFAX: (760) 603-3820

INFORMATION FOR SEQ ID NO: 49:

SEQUENCE CHARACTERISTICS:

LENGTH: 18

TYPE: nucleic acid

STRANDEDNESS: single

TOPOLOGY: linear

US-09-106-038A-49

Query Match

Best Local Similarity 100.0%; Score 18; DB 3; Length 18;

Matches 18; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 70 TCCTGTAGTACTGTAG 87

DB 18 TCCTGTAGTACTGTAG 1

RESULT 2

US-09-792-356-9

Sequence 9, Application US/09792356
Publication No. US20020183485A1
GENERAL INFORMATION:

APPLICANT: Hauptmann, Rudolph

APPLICANT: Hauptmann, Rudolph

APPLICANT: Mauser-Fogel, Ingrid

APPLICANT: Stratowa, Christian

TITLE OF INVENTION: TNF Receptors, TNF Binding Proteins and DNAs Coding for

TITLE OF INVENTION: Them

FILE REFERENCE: 98/385-G

CURRENT APPLICATION NUMBER: US/09/792,356

CURRENT FILING DATE: 2001-08-17

PRIOR APPLICATION NUMBER: 08/477,639

PRIOR FILING DATE: 1995-06-07

PRIOR APPLICATION NUMBER: 08/383,676

PRIOR FILING DATE: 1995-02-01

PRIOR APPLICATION NUMBER: 08/153,287

PRIOR FILING DATE: 1993-11-17

PRIOR APPLICATION NUMBER: 07/821,750

PRIOR FILING DATE: 1992-01-02

PRIOR APPLICATION NUMBER: 07/511,430

PRIOR FILING DATE: 1990-04-20

NUMBER OF SEQ ID NOS: 87

SOFTWARE: PatentIn Ver. 2.0

SEQ ID NO 9

LENGTH: 30

TYPE: DNA

ORGANISM: Homo sapiens

FEATURE:

NAME/KEY: CDS

LOCATION: (1)..(30)

US-09-792-356-9

Query Match

Best Local Similarity 100.0%; Pred. No. 3.1;

Matches 30; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 133 GTTAAGGCACTGAGACTCAGCACCACA 162

Db 1 GTTAAGGCACTGAGACTCAGCACCACA 30

RESULT 3

US-09-899-422-9

Sequence 9, Application US/09899422
Patent No. US20020090676A1
GENERAL INFORMATION:

APPLICANT: Hauptmann, Rudolph

APPLICANT: Hauptmann, Rudolph

APPLICANT: Mauser-Fogel, Ingrid

APPLICANT: Stratowa, Christian

TITLE OF INVENTION: TNF Receptors, TNF Binding Proteins and DNAs Coding for

TITLE OF INVENTION: Them

FILE REFERENCE: 98/385-H

CURRENT APPLICATION NUMBER: US/09/899,422

CURRENT FILING DATE: 2001-08-21

PRIOR APPLICATION NUMBER: 09/525,998

PRIOR FILING DATE: 2000-03-15

PRIOR APPLICATION NUMBER: 08/383,676

PRIOR FILING DATE: 1995-02-01

PRIOR APPLICATION NUMBER: 08/153,287

PRIOR FILING DATE: 1993-11-17

PRIOR APPLICATION NUMBER: 07/821,750

PRIOR FILING DATE: 1992-01-02

PRIOR APPLICATION NUMBER: 07/511,430

PRIOR FILING DATE: 1990-04-20

NUMBER OF SEQ ID NOS: 87

SOFTWARE: PatentIn Ver. 2.0

SEQ ID NO 9

LENGTH: 30

TYPE: DNA

ORGANISM: Homo sapiens

FEATURE:

NAME/KEY: CDS

LOCATION: (1)..(30)

US-09-899-422-9

Query Match

Best Local Similarity 100.0%; Pred. No. 3.1;

Matches 30; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 133 GTTAAGGCACTGAGACTCAGCACCACA 162

Db 1 GTTAAGGCACTGAGACTCAGCACCACA 30

US-09-899-422-9

SEQUENCE 19, Application US/09756186

Patent No. US20010014333A1

GENERAL INFORMATION:

APPLICANT: Campbell, Robert K.

APPLICANT: Jameson, Bradford A.

APPLICANT: Chappel, Scott C.

TITLE OF INVENTION: HYBRID PROTEINS

NUMBER OF SEQUENCES: 22

CORRESPONDENCE ADDRESS:

ADDRESSEE: BROWDY AND NEWMARK

STREET: 419 Seventh Street N.W., Ste. 300

CITY: Washington

STATE: D.C.

COUNTRY: USA

ZIP: 22207

COMPUTER READABLE FORM:

MEDIUM TYPE: Floppy disk

COMPUTER: IBM PC compatible

OPERATING SYSTEM: PC-DOS/MS-DOS

SOFTWARE: PatentIn Release #1.0, Version #1.30

CURRENT APPLICATION DATA:

APPLICATION NUMBER: US/09/756,186

FILING DATE:

CLASSIFICATION:

PRIOR APPLICATION DATA:

APPLICATION NUMBER: 08/804,166

FILING DATE:

CLASSIFICATION:

ATTORNEY/AGENT INFORMATION:

NAME: Browdy, Roger L.

REGISTRATION NUMBER: 25,618

TELECOMMUNICATION INFORMATION:

TELEPHONE: (202) 628-5197

TELEFAX: (202) 737-3528

INFORMATION FOR SEQ ID NO: 19:

SEQUENCE CHARACTERISTICS:

LENGTH: 21 base pairs

TYPE: nucleic acid

STRANDEDNESS: single

TOPOLOGY: linear

MOLECULE TYPE: cDNA

US-09-756-186-19

US-09-756-186-19

Query Match

Best Local Similarity 100.0%; Pred. No. 2.5e+03;

Matches 21; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 142 ACTGAGACTCAGCACCACA 162

Db 21 ACTGAGACTCAGCACCACA 1

RESULT 5

US-09-828-034-7

Sequence 7, Application US/09828034
Patent No. US20020064771A1
GENERAL INFORMATION:
APPLICANT: Zhong, Weidong
APPLICANT: Zhong, Zhi
APPLICANT: Ferrari, Eric
TITLE OF INVENTION: HCV REPLICASE COMPLEXES
FILE REFERENCE: IN01165
CURRENT APPLICATION NUMBER: US/09/828,034
CURRENT FILING DATE: 2001-04-06
PRIOR APPLICATION NUMBER: U.S. 60/195,852
PRIOR FILING DATE: 2000-04-06
NUMBER OF SEQ ID NOS: 33
SOFTWARE: Patent In Ver. 2.1
SEQ ID NO: 7
LENGTH: 30
TYPE: RNA
ORGANISM: Artificial Sequence
FEATURE:
OTHER INFORMATION: Description of Artificial Sequence: Synthetic RNA
US-09-828-034-7

Query Match 3.2%: Score 18.8; DB 10; Length 30;
Best Local Similarity 76.7%; Pred. No. 1.6e+04;
Matches 23; Conservative 0; Mismatches 7; Indels 0; Gaps 0;

QY 511 GCCCTCGCTCCGACGCCATCCCAACCC 540
DB 1 GCCCGCCGCCCGCCCGCCCGCCCGCC 30

RESULT 6
US-10-113-877-128/c
Sequence 128, Application US/10113877
Patent No. US2002017218A1
GENERAL INFORMATION:
APPLICANT: Fang, Xu
APPLICANT: Wang, Xiao-Yang
APPLICANT: Turpin, Pierre
TITLE OF INVENTION: Methods of detecting multiple DNA
TITLE OF INVENTION: binding protein and DNA interactions in a sample, and
TITLE OF INVENTION: devices, systems and kits for practicing the same.
FILE REFERENCE: CLON-071
CURRENT APPLICATION NUMBER: US/10/113,877
CURRENT FILING DATE: 2002-03-29
PRIOR APPLICATION NUMBER: 60/280,658
PRIOR FILING DATE: 2001-03-30
PRIOR APPLICATION NUMBER: 60/314,330
PRIOR FILING DATE: 2001-08-20
NUMBER OF SEQ ID NOS: 192
SOFTWARE: FastSeq for Windows Version 4.0
SEQ ID NO 128
LENGTH: 23
TYPE: DNA
ORGANISM: Artificial Sequence
FEATURE:
OTHER INFORMATION: oligonucleotide
US-10-113-877-128

Query Match 3.1%: Score 18.2; DB 9; Length 23;
Best Local Similarity 87.0%; Pred. No. 2.2e+04;
Matches 20; Conservative 0; Mismatches 3; Indels 0; Gaps 0;

QY 457 CCCCCAGAGAGTGACACCC 479
DB 23 CGCCGACAGAGGTGCACTGCC 1

RESULT 7
US-10-043-432-15/c
Sequence 15, Application US/1004432
Publication No. US20030054004A1

GENERAL INFORMATION:
APPLICANT: Le, Junning
APPLICANT: Vilcek, Jan
APPLICANT: Daddona, Peter
APPLICANT: Ghayeb, John
APPLICANT: Knight, David M.
APPLICANT: Siegel, Scott
TITLE OF INVENTION: Anti-TNF Antibodies and Peptides of
TITLE OF INVENTION: Human Tumor Necrosis Factor
FILE REFERENCE: 0975,1005-013
CURRENT APPLICATION NUMBER: US/10/043,432
CURRENT FILING DATE: 2002-01-10
PRIOR APPLICATION NUMBER: 09/927,703
PRIOR FILING DATE: 2001-08-10
PRIOR APPLICATION NUMBER: U.S. 09/756,398
PRIOR FILING DATE: 2001-01-08
PRIOR APPLICATION NUMBER: U.S. 09/133,119
PRIOR FILING DATE: 1998-08-12
PRIOR APPLICATION NUMBER: U.S. 08/570,674
PRIOR FILING DATE: 1995-12-11
PRIOR APPLICATION NUMBER: U.S. 08/324,799
PRIOR FILING DATE: 1994-10-18
PRIOR APPLICATION NUMBER: U.S. 08/192,102
PRIOR FILING DATE: 1994-02-04
PRIOR APPLICATION NUMBER: U.S. 08/192,861
PRIOR FILING DATE: 1994-02-04
PRIOR APPLICATION NUMBER: U.S. 08/192,093
PRIOR FILING DATE: 1994-02-04
PRIOR APPLICATION NUMBER: U.S. 08/010,406
PRIOR FILING DATE: 1993-01-29
PRIOR APPLICATION NUMBER: U.S. 08/013,413
PRIOR FILING DATE: 1993-02-02
PRIOR APPLICATION NUMBER: U.S. 07/943,852
PRIOR FILING DATE: 1992-09-11
PRIOR APPLICATION NUMBER: U.S. 07/853,606
PRIOR FILING DATE: 1992-03-18
PRIOR APPLICATION NUMBER: U.S. 07/670,827
PRIOR FILING DATE: 1991-03-18
NUMBER OF SEQ ID NOS: 19
SOFTWARE: FastSeq for Windows Version 4.0
SEQ ID NO 15
LENGTH: 18
TYPE: DNA
ORGANISM: Artificial Sequence
FEATURE:
OTHER INFORMATION: PCR oligonucleotides
US-10-043-432-15

Query Match 3.1%: Score 18; DB 9; Length 18;
Best Local Similarity 100.0%; Pred. No. 2.2e+04;
Matches 18; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 109 TTGTGCTACCCAGATT 126
DB 18 TTGTGCTACCCAGATT 1

RESULT 8
US-09-756-301A-15/c
Sequence 15, Application US/09756301A
Patent No. US20010027249A1
GENERAL INFORMATION:
APPLICANT: Le, Junning
APPLICANT: Vilcek, Jan
APPLICANT: Daddona, Peter
APPLICANT: Ghayeb, John
APPLICANT: Knight, David M.
APPLICANT: Siegel, Scott
TITLE OF INVENTION: Anti-TNF Antibodies and Peptides of
TITLE OF INVENTION: Human Tumor Necrosis Factor
FILE REFERENCE: 0975,1005-008
CURRENT APPLICATION NUMBER: US/09/756,301A
CURRENT FILING DATE: 2001-01-08

PRIOR APPLICATION NUMBER: U.S. 09/133,119
PRIOR FILING DATE: 1998-08-12
PRIOR APPLICATION NUMBER: U.S. 08/570,674
PRIOR FILING DATE: 1995-12-11
PRIOR APPLICATION NUMBER: U.S. 08/324,799
PRIOR FILING DATE: 1994-10-18
PRIOR APPLICATION NUMBER: U.S. 08/192,102
PRIOR FILING DATE: 1994-02-04
PRIOR APPLICATION NUMBER: U.S. 08/192,861
PRIOR FILING DATE: 1994-02-04
PRIOR APPLICATION NUMBER: U.S. 08/192,093
PRIOR FILING DATE: 1994-02-04
PRIOR APPLICATION NUMBER: U.S. 08/010,406
PRIOR FILING DATE: 1993-01-29
PRIOR APPLICATION NUMBER: U.S. 08/013,413
PRIOR FILING DATE: 1993-02-02
PRIOR APPLICATION NUMBER: U.S. 07/943,852
PRIOR FILING DATE: 1992-09-11
PRIOR APPLICATION NUMBER: U.S. 07/853,606
PRIOR FILING DATE: 1992-03-18
PRIOR APPLICATION NUMBER: U.S. 07/670,827
PRIOR FILING DATE: 1991-03-18
SOFTWARE: FastSeq for Windows Version 4.0
SEQ ID NO: 15
LENGTH: 18
TYPE: DNA
ORGANISM: Artificial Sequence
FEATURE:
OTHER INFORMATION: PCR oligonucleotides
US-09-756-301A-15

Query Match 3.1%; Score 18; DB 10; Length 18;
Best Local Similarity 100.0%; Pred. No. 2.2e+04;
Matches 18; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

OY 109 TTGTGCTACCCAGATT 126
Db 18 TTGTGCTACCCAGATT 1

RESULT 9
US-09-927-703-15/c
Sequence 15, Application US/09927703
Patent No. US2002022720A1
GENERAL INFORMATION:
APPLICANT: Le, Junming
APPLICANT: Vilcek, Jan
APPLICANT: Daddona, Peter
APPLICANT: Ghayeb, John
APPLICANT: Knight, David M.
APPLICANT: Siegel, Scott
TITLE OF INVENTION: Anti-TNF Antibodies and Peptides of
FILE REFERENCE: 0975.1005-013
CURRENT APPLICATION NUMBER: US/09/927,703
CURRENT FILING DATE: 2001-08-10
PRIOR APPLICATION NUMBER: U.S. 09/756,398
PRIOR FILING DATE: 2001-01-08
PRIOR APPLICATION NUMBER: U.S. 09/133,119
PRIOR FILING DATE: 1998-08-12
PRIOR APPLICATION NUMBER: U.S. 08/570,674
PRIOR FILING DATE: 1995-12-11
PRIOR APPLICATION NUMBER: U.S. 08/324,799
PRIOR FILING DATE: 1994-10-18
PRIOR APPLICATION NUMBER: U.S. 08/192,102
PRIOR FILING DATE: 1994-02-04
PRIOR APPLICATION NUMBER: U.S. 08/192,861
PRIOR FILING DATE: 1994-02-04
PRIOR APPLICATION NUMBER: U.S. 08/192,093
PRIOR FILING DATE: 1994-02-04
PRIOR APPLICATION NUMBER: U.S. 08/010,406
PRIOR FILING DATE: 1993-01-29

PRIOR APPLICATION NUMBER: U.S. 08/013,413
PRIOR FILING DATE: 1993-02-02
PRIOR APPLICATION NUMBER: U.S. 07/943,852
PRIOR FILING DATE: 1992-09-11
PRIOR APPLICATION NUMBER: U.S. 07/853,606
PRIOR FILING DATE: 1992-03-18
PRIOR APPLICATION NUMBER: U.S. 07/670,827
PRIOR FILING DATE: 1991-03-18
SOFTWARE: FastSeq for Windows Version 4.0
SEQ ID NO: 15
LENGTH: 18
TYPE: DNA
ORGANISM: Artificial Sequence
FEATURE:
OTHER INFORMATION: PCR oligonucleotides
US-09-927-703-15

Query Match 3.1%; Score 18; DB 10; Length 18;
Best Local Similarity 100.0%; Pred. No. 2.2e+04;
Matches 18; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

OY 109 TTGTGCTACCCAGATT 126
Db 18 TTGTGCTACCCAGATT 1

RESULT 10
US-09-766-535A-15/c
Sequence 15, Application US/09766535A
Patent No. US20020106372A1
GENERAL INFORMATION:
APPLICANT: Le, Junming
APPLICANT: Vilcek, Jan
APPLICANT: Daddona, Peter
APPLICANT: Ghayeb, John
APPLICANT: Knight, David M.
APPLICANT: Siegel, Scott
TITLE OF INVENTION: Anti-TNF Antibodies and Peptides of
FILE REFERENCE: 0975.1005-010
CURRENT APPLICATION NUMBER: US/09/766,535A
CURRENT FILING DATE: 2001-01-18
PRIOR APPLICATION NUMBER: U.S. 09/133,119
PRIOR FILING DATE: 1998-08-12
PRIOR APPLICATION NUMBER: U.S. 08/570,674
PRIOR FILING DATE: 1995-12-11
PRIOR APPLICATION NUMBER: U.S. 08/324,799
PRIOR FILING DATE: 1994-10-18
PRIOR APPLICATION NUMBER: U.S. 08/192,102
PRIOR FILING DATE: 1994-02-04
PRIOR APPLICATION NUMBER: U.S. 08/192,861
PRIOR FILING DATE: 1994-02-04
PRIOR APPLICATION NUMBER: U.S. 08/192,093
PRIOR FILING DATE: 1994-02-04
PRIOR APPLICATION NUMBER: U.S. 08/010,406
PRIOR FILING DATE: 1993-01-29
PRIOR APPLICATION NUMBER: U.S. 08/013,413
PRIOR FILING DATE: 1993-02-02
PRIOR APPLICATION NUMBER: U.S. 07/943,852
PRIOR FILING DATE: 1992-09-11
PRIOR APPLICATION NUMBER: U.S. 07/853,606
PRIOR FILING DATE: 1992-03-18
PRIOR APPLICATION NUMBER: U.S. 07/670,827
PRIOR FILING DATE: 1991-03-18
SOFTWARE: FastSeq for Windows Version 4.0
SEQ ID NO: 15
LENGTH: 18
TYPE: DNA
ORGANISM: Artificial Sequence
FEATURE:
OTHER INFORMATION: PCR oligonucleotides

US-09-766-535A-15

Query Match

Best Local Similarity 3.1%; Score 18; DB 10; Length 18;
Matches 18; Conservative 0; Mismatches 0; Indels 0; Gaps 0;QY 109 TTGTGCTACCCAGATT 126
DB 18 TTGTGCTACCCAGATT 1

RESULT 11

US-09-756-451-15/c
Sequence 15, Application US/09756161A

Patent No. US2002013207A1

GENERAL INFORMATION:

APPLICANT: Le, Junming

APPLICANT: Vilcek, Jan

APPLICANT: Daddona, Peter

APPLICANT: Ghayeb, John

APPLICANT: Knight, David M.

APPLICANT: Siegel, Scott

TITLE OF INVENTION: Anti-TNF Antibodies and Peptides of

FILE REFERENCE: 0975.1005-007

CURRENT APPLICATION NUMBER: US/09/756,161A

CURRENT FILING DATE: 2001-01-08

PRIOR APPLICATION NUMBER: U.S. 09/133,119

PRIOR FILING DATE: 1998-08-12

PRIOR APPLICATION NUMBER: U.S. 08/570,674

PRIOR FILING DATE: 1995-12-11

PRIOR APPLICATION NUMBER: U.S. 08/324,799

PRIOR FILING DATE: 1994-10-18

PRIOR APPLICATION NUMBER: U.S. 08/192,102

PRIOR FILING DATE: 1994-02-04

PRIOR APPLICATION NUMBER: U.S. 08/192,861

PRIOR FILING DATE: 1994-02-04

PRIOR APPLICATION NUMBER: U.S. 08/192,093

PRIOR FILING DATE: 1994-02-04

PRIOR APPLICATION NUMBER: U.S. 08/010,406

PRIOR FILING DATE: 1993-01-29

PRIOR APPLICATION NUMBER: U.S. 08/013,413

PRIOR FILING DATE: 1993-02-02

PRIOR APPLICATION NUMBER: U.S. 07/943,852

PRIOR FILING DATE: 1992-09-11

PRIOR APPLICATION NUMBER: U.S. 07/853,606

PRIOR FILING DATE: 1992-03-18

PRIOR APPLICATION NUMBER: U.S. 07/670,827

PRIOR FILING DATE: 1991-03-18

NUMBER OF SEQ ID NOS: 19

SOFTWARE: FastSeq for Windows Version 4.0

SEQ ID NO 15

LENGTH: 18

TYPE: DNA

ORGANISM: Artificial Sequence

FEATURE:

OTHER INFORMATION: PCR oligonucleotides

US-09-756-161A-15

QY 109 TTGTGCTACCCAGATT 126
DB 18 TTGTGCTACCCAGATT 1

Query Match

Best Local Similarity 3.1%; Score 18; DB 10; Length 18;
Matches 18; Conservative 0; Mismatches 0; Indels 0; Gaps 0;QY 109 TTGTGCTACCCAGATT 126
DB 18 TTGTGCTACCCAGATT 1

RESULT 12

US-10-010-229-15/c

Sequence 15, Application US/10010229

Patent No. US20020114805A1

GENERAL INFORMATION:

APPLICANT: Le, Junming

APPLICANT: Vilcek, Jan

APPLICANT: Daddona, Peter

APPLICANT: Ghayeb, John

APPLICANT: Knight, David M.

APPLICANT: Siegel, Scott

TITLE OF INVENTION: Anti-TNF Antibodies and Peptides of

FILE REFERENCE: 0975.1005-013

CURRENT APPLICATION NUMBER: US/10/010,229

CURRENT FILING DATE: 2001-12-07

PRIOR APPLICATION NUMBER: US/09/927,703

PRIOR FILING DATE: 2001-08-10

NUMBER OF SEQ ID NOS: 19

SOFTWARE: FastSeq for Windows Version 4.0

SEQ ID NO 15

LENGTH: 18

TYPE: DNA

ORGANISM: Artificial Sequence

FEATURE:

OTHER INFORMATION: PCR oligonucleotides

Query Match

Best Local Similarity 3.1%; Score 18; DB 12; Length 18;
Matches 18; Conservative 0; Mismatches 0; Indels 0; Gaps 0;QY 109 TTGTGCTACCCAGATT 126
DB 18 TTGTGCTACCCAGATT 1

RESULT 13

US-10-043-450-15/c

Sequence 15, Application US/10043450

Patent No. US20020141996A1

GENERAL INFORMATION:

APPLICANT: Le, Junming

APPLICANT: Vilcek, Jan

APPLICANT: Daddona, Peter

APPLICANT: Ghayeb, John

APPLICANT: Knight, David M.

APPLICANT: Siegel, Scott

TITLE OF INVENTION: Anti-TNF Antibodies and Peptides of

FILE REFERENCE: 0975.1005-013

CURRENT APPLICATION NUMBER: US/10/043,450

CURRENT FILING DATE: 2002-01-10

PRIOR APPLICATION NUMBER: 09/927,703

PRIOR FILING DATE: 2001-08-10

PRIOR APPLICATION NUMBER: U.S. 09/756,398

PRIOR FILING DATE: 2001-01-08

PRIOR APPLICATION NUMBER: U.S. 09/133,119

PRIOR FILING DATE: 1998-08-12

PRIOR APPLICATION NUMBER: U.S. 08/570,674

PRIOR FILING DATE: 1995-12-11

PRIOR APPLICATION NUMBER: U.S. 08/324,799

PRIOR FILING DATE: 1994-10-18

PRIOR APPLICATION NUMBER: U.S. 08/192,102

PRIOR FILING DATE: 1994-02-04

PRIOR APPLICATION NUMBER: U.S. 08/192,861

PRIOR FILING DATE: 1994-02-04

PRIOR APPLICATION NUMBER: U.S. 08/192,093

PRIOR FILING DATE: 1994-02-04

PRIOR APPLICATION NUMBER: U.S. 08/010,406

PRIOR FILING DATE: 1993-01-29

PRIOR APPLICATION NUMBER: U.S. 08/013,413

PRIOR FILING DATE: 1993-02-02

PRIOR APPLICATION NUMBER: U.S. 07/943,852

PRIOR FILING DATE: 1992-09-11

PRIOR APPLICATION NUMBER: U.S. 07/853,606

PRIOR FILING DATE: 1992-03-18

PRIOR APPLICATION NUMBER: U.S. 07/670,827

PRIOR FILING DATE: 1991-03-18
NUMBER OF SEQ ID NOS: 19
SOFTWARE: FastSeq for Windows Version 4.0
SEQ ID NO 15
LENGTH: 18
TYPE: DNA
ORGANISM: Artificial Sequence
OTHER INFORMATION: PCR oligonucleotides
US-10-043-450-15

Query Match 3.1%; Score 18; DB 12; Length 18;
Best Local Similarity 100.0%; Pred. No. 2.2e+04;
Matches 18; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
QY 109 TTGTGCTTACCCGAGATT 126
DB 18 TTGTGCTTACCCGAGATT 1

RESULT 14
US-10-044-534-15/c
Sequence 15, Application US/10044534
Patent No. US20020146419A1
GENERAL INFORMATION:
APPLICANT: Le, Junming
APPLICANT: Vilcek, Jan
APPLICANT: Daddona, Peter
APPLICANT: Shrayeb, John
APPLICANT: Knight, David M.
APPLICANT: Siegel, Scott
TITLE OF INVENTION: Anti-TNF Antibodies and Peptides of
FILE REFERENCE: 0975.1005-013
CURRENT APPLICATION NUMBER: US/10/044,534
PRIOR FILING DATE: 2002-01-10
PRIOR APPLICATION NUMBER: 09/927,703
PRIOR FILING DATE: 2001-08-10
PRIOR APPLICATION NUMBER: U.S. 09/756,398
PRIOR FILING DATE: 2001-01-08
PRIOR APPLICATION NUMBER: U.S. 09/133,119
PRIOR FILING DATE: 1998-08-12
PRIOR APPLICATION NUMBER: U.S. 08/570,674
PRIOR FILING DATE: 1995-12-11
PRIOR APPLICATION NUMBER: U.S. 08/324,799
PRIOR FILING DATE: 1994-10-18
PRIOR APPLICATION NUMBER: U.S. 08/192,102
PRIOR FILING DATE: 1994-02-04
PRIOR APPLICATION NUMBER: U.S. 08/192,861
PRIOR FILING DATE: 1994-02-04
PRIOR APPLICATION NUMBER: U.S. 08/192,093
PRIOR FILING DATE: 1994-02-04
PRIOR APPLICATION NUMBER: U.S. 08/7010,406
PRIOR FILING DATE: 1993-01-29
PRIOR APPLICATION NUMBER: U.S. 08/013,413
PRIOR FILING DATE: 1993-02-02
PRIOR APPLICATION NUMBER: U.S. 07/943,852
PRIOR FILING DATE: 1992-09-11
PRIOR APPLICATION NUMBER: U.S. 07/853,606
PRIOR FILING DATE: 1992-03-18
PRIOR APPLICATION NUMBER: U.S. 07/670,827
PRIOR FILING DATE: 1991-03-18
NUMBER OF SEQ ID NOS: 19
SOFTWARE: FastSeq for Windows Version 4.0
SEQ ID NO 15
LENGTH: 18
TYPE: DNA
ORGANISM: Artificial Sequence
FEATURE:
OTHER INFORMATION: PCR oligonucleotides
US-10-044-534-15
Query Match 3.1%; Score 18; DB 12; Length 18;

Best Local Similarity 100.0%; Pred. No. 2.2e+04;
Matches 18; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
QY 109 TTGTGCTTACCCGAGATT 126
DB 18 TTGTGCTTACCCGAGATT 1

RESULT 15
US-09-757-041-11
Sequence 11, Application US/09757041
Patent No. US20020009726A1
GENERAL INFORMATION:
APPLICANT: Reed, John C.
APPLICANT: Sato, Takaki
TITLE OF INVENTION: CD40 Associated Proteins
NUMBER OF SEQUENCES: 17
CORRESPONDENCE ADDRESS:
ADDRESSEE: Campbell and Flores
STREET: 4300 La Jolla Village Drive, Suite 700
CITY: San Diego
STATE: California
COUNTRY: USA
ZIP: 92122
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Patent In Release #1.0, Version #1.25
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/09/757,041
FILING DATE:
CLASSIFICATION:
PRIOR APPLICATION DATA:
APPLICATION NUMBER: 08/349,357
FILING DATE:
ATTORNEY/AGENT INFORMATION:
NAME: Campbell, Cathryn A.
REGISTRATION NUMBER: 31,815
REFERENCE/DOCKET NUMBER: P-LJ 1203
TELECOMMUNICATION INFORMATION:
TELEPHONE: (619) 535-9001
TELEFAX: (619) 535-8949
INFORMATION FOR SEQ ID NO: 11:
SEQUENCE CHARACTERISTICS:
LENGTH: 24 base pairs
TYPE: nucleic acid
STRANDEDNESS: single
TOPOLOGY: linear
US-09-757-041-11
Query Match 3.1%; Score 18; DB 10; Length 24;
Best Local Similarity 100.0%; Pred. No. 2.6e+04;
Matches 18; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
QY 232 CGCTACACGGTGGAG 249
DB 7 CGCTACACGGTGGAG 24
Search completed: May 21, 2003, 07:33:50
Job time: 129 secs

Plate: 0010 row: K column: 24
 Seq primer: CATTGTAAACGACGCGCAGT
 Class: plasmid ends
 High quality sequence stop: 28.
 Location/Qualifiers

1.28
 /organism="Mus musculus"

/strain="C57BL/6J"
 /db_xref="taxon:10090"
 /clone="MGC2M0010K24"
 /clone.lib="Mouse 10kb plasmid UUCGM library"

/sex="Male"
 /lab_host="E. coli strain XL10-gold, p1-resistant, F-"

/note="Vector: pMD42ny; Purified genomic DNA from M. musculus C57BL/6J (male) was obtained from the Jackson Laboratory Mouse DNA Resource
 (http://www.jax.org/resources/documents/dnares/). The DNA

was hydrodynamically sheared by repeated passage through a 0.005 inch orifice at constant velocity. The sheared DNA was blunt end-repaired with T4 DNA polymerase and T4 polynucleotide kinase. Adaptor oligonucleotides were ligated to the blunt ends in high molar excess. The adaptor DNA was purified and size-selected for a 9.5 to 10.5 kb range using preparative agarose gel electrophoresis. Vector DNA was prepared from a derivative of pMD42 (gi147321419b/AF12907.1), a copy-number inducible derivative of plasmid RL. The vector was ligated with adaptors complementary to the insert adaptors and purified. The sheared, adaptor mouse DNA was annealed to adaptor vector DNA, and transformed into chemically-competent E. coli XL10-gold (Stratagene) cells and selected for ampicillin resistance."

BASE COUNT
 ORIGIN 7 a 12 c 3 g 6 t

Query Match 2.9%; Score 16.8; DB 17; Length 28;

Best Local Similarity 75.0%; Pred. No. 6.9e+06;
 Matches 21; Conservative 0; Mismatches 7; Indels 0; Gaps 0;

QY 491 CTGACCCCATCTGCGACAGCCCTCGC 518

DB 1 CTGACCTCATCTCGAAGCCCACTC 28

RESULT 2
 LOCUS TM42E02P/c 30 bp DNA 11linear GSS 13-DEC-2000

DEFINITION T. brucei sheared genomic DNA clone 42e02, forward sequence,
 genomic survey sequence.

ACCESSION AL455550

VERSION AL455550.1 GI:11856678

KEYWORDS GSS

SOURCE Trypanosoma brucei.

ORGANISM Trypanosoma brucei

Eukaryota; Euklenozoa; Kinetoplastida; Trypanosomatidae;
 Trypanosoma.

1 (bases 1 to 30)

Hall, N., Bowman, S., Lennard, N.J., Doggett, J., Atkin, R.,
 Chillingworth, C., Ormond, D., Harris, B., El-Sayed, N., Hou, L.,
 Melville, S.E., Rajandream, M.A. and Barrell, B.G.
 Direct Submission
 Submitted (10-DEC-2000) Trypanosoma brucei genome sequencing
 project, Sanger Centre, The Wellcome Trust Genome Campus, Hinxton,
 Cambridge CB10 1SA, E-mail: barrell@sanger.ac.uk and
 nh@sanger.ac.uk

TITLE

JOURNAL

COMMENT

Constructed at the Institute for Genomic Research (TIGR),
 Rockville, MD. Genomic DNA isolated from a cloned population of
 Trypanosoma brucei (TRE0927/4 GUTat 10.1) was mechanically sheared
 to give a tight size distribution (4 kb). The V + I method used for the library construction is
 described in detail in Smith, H. and Venter, J.C. (Making small
 insert libraries for whole genome shotgun sequencing projects. In
 Genome Sequencing: A Practical Approach, eds. M. Vaudin and B.

Barrell, Oxford University Press, 1999).
 Email: nelsayed@tigr.org
 Details of T. brucei sequencing at the Sanger Centre are available
 at <http://www.sanger.ac.uk/projects/T-brucei/>.
 Location/Qualifiers

1.30
 /organism="Trypanosoma brucei"

/strain="TRE0927"
 /db_xref="taxon:5691"
 /clone="42e02"

BASE COUNT
 ORIGIN 7 a 11 c 6 g 6 t

Query Match 2.9%; Score 16.8; DB 17; Length 30;

Best Local Similarity 75.0%; Pred. No. 6.9e+06;
 Matches 21; Conservative 0; Mismatches 7; Indels 0; Gaps 0;

QY 59 ACGAGTGTCTCTGTGTAAGTCTGA 86

DB 26 AAGAGGTGTGCTGCGGAGAGTCA 2

RESULT 3
 LOCUS BM399811/c 26 bp mRNA 11linear EST 17-JAN-2002

DEFINITION 5009-0-62-A04.t.1 Chilcoat/Turkewitz cDNA (large fraction)
 Tetrahymena thermophila cDNA, mRNA sequence.

ACCESSION BM399811

VERSION BM399811.1 GI:18199864

KEYWORDS EST.

SOURCE Tetrahymena thermophila.

ORGANISM Tetrahymena thermophila.

Eukaryota; Alveolata; Ciliophora; Oligohymenophorea;
 Hymenostomatida; Tetrahymenina; Tetrahymena.

1 (bases 1 to 26)

Turkewitz, A.P., Karier, R.M., Jahn, C., Orlas, E., Kirk, K.E., Frankel

J. and Klobutcher, L. from Tetrahymena thermophila, strain CV428.1, growing cells

Unpublished (2002)

Contact: Turkewitz AP

Molecular Genetics and Cell Biology

University of Chicago

920 E. 58th Street, Chicago, IL 60637, USA

Tel: 773 702 4374

Fax: 773 702 3172

Email: apturkew@midway.uchicago.edu

Seq primer: T3.

Location/Qualifiers

1.26

/organism="Tetrahymena thermophila"

/strain="CV428.1"

/db_xref="taxon:5911"

/clone.lib="Chilcoat/Turkewitz cDNA (large fraction)"

/note="Vector: Bluescript2 SK+; Details on library

preparation can be found in Chilcoat and Turkewitz (2001)

Proc. Natl. Acad. Sci USA, 98: 8709-8713."

Proc. Natl. Acad. Sci USA, 98: 8709-8713."

Proc. Natl. Acad. Sci USA, 98: 8709-8713."

Proc. Natl. Acad. Sci USA, 98: 8709-8713."

Proc. Natl. Acad. Sci USA, 98: 8709-8713."

Proc. Natl. Acad. Sci USA, 98: 8709-8713."

Proc. Natl. Acad. Sci USA, 98: 8709-8713."

Proc. Natl. Acad. Sci USA, 98: 8709-8713."

Proc. Natl. Acad. Sci USA, 98: 8709-8713."

Proc. Natl. Acad. Sci USA, 98: 8709-8713."

Proc. Natl. Acad. Sci USA, 98: 8709-8713."

Proc. Natl. Acad. Sci USA, 98: 8709-8713."

Proc. Natl. Acad. Sci USA, 98: 8709-8713."

Proc. Natl. Acad. Sci USA, 98: 8709-8713."

Proc. Natl. Acad. Sci USA, 98: 8709-8713."

Proc. Natl. Acad. Sci USA, 98: 8709-8713."

Proc. Natl. Acad. Sci USA, 98: 8709-8713."

Proc. Natl. Acad. Sci USA, 98: 8709-8713."

Proc. Natl. Acad. Sci USA, 98: 8709-8713."

Proc. Natl. Acad. Sci USA, 98: 8709-8713."

Proc. Natl. Acad. Sci USA, 98: 8709-8713."

ACCESSION: A2788326
 VERSION: A2788326.1 GI:12928014
 KEYWORDS: GSS
 SOURCE: house mouse.
 ORGANISM: Mus musculus
 REFERENCE: 1 (bases 1 to 19)
 AUTHORS: Dunn, D., Aoyagi, A., Barber, M., Beacorn, T., Duval, B., Hamill, C., Islam, H., Longacre, S., Mahmoud, M., Meenen, E., Pedersen, T., Reilly, M., Rose, M., Rose, R., Stokes, R., Tinney, A., von Niederhausern, A., and Wright, D., Weiss, R.
 TITLE: Mouse whole genome scaffolding with paired end reads from 10kb plasmid inserts
 JOURNAL: Unpublished (2000)
 COMMENT: Contact: Robert B. Weiss
 University of Utah
 Biomolecular Polymers Research Bldg., 20 S. 2030 E., SLIC, UT 84112, USA
 Tel: 801 585 5606
 Fax: 801 585 7177
 Email: ddunn@genetics.utah.edu
 Insert length: 10000 Std Error: 0.00
 Plate: 0035 row: P column: 16
 Seq primer: CGTGTAAACGACGCCACAT
 Class: plasmid ends
 High quality sequence stop: 19.
 Location/Qualifiers
 1..19
 /organism="Mus musculus"
 /strain="C57BL/6J"
 /db_xref="taxon:10090"
 /clone="U06C2M0035P16"
 /clone_1lb="Mouse 10kb plasmid U06C1M library"
 /sex="Male"
 /lab_host="E. Coli strain XL10-Gold, T1-resistant, F-"
 /note="Vector: PMD42ny; Purified genomic DNA from M. musculus C57BL/6J (male) was obtained from the Jackson Laboratory Mouse DNA Resource
 (http://www.jax.org/resources/documents/dnares/). The DNA was hydrodynamically sheared by repeated passage through a 0.005 inch orifice at constant velocity. The sheared DNA was blunt end-repaired with T4 DNA polymerase and T4 polynucleotide kinase. Adaptor oligonucleotides were ligated to the blunt ends in high molar excess. The sheared DNA was purified and size-selected for a 9.5 to 10.5 kb range using preparative agarose gel electrophoresis. Vector DNA was prepared from a derivative of PMD42 (g114732114|9b|AF129072.1), a copy number inducible derivative of plasmid R1. The vector was ligated with adaptors complementary to the insert adaptors and purified. The sheared, adaptor mouse DNA was annealed to adaptor vector DNA, and transformed into chemically-competent E. coli XL10-Gold (Stratagene) cells and selected for ampicillin resistance."

BASE COUNT 7 a 6 c 3 g 3 t
 ORIGIN
 Query Match 2.8%; Score 16.4; DB 17; Length 19;
 Best Local Similarity 94.4%; Pred. No. 8.3e+06;
 Matches 17; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

OY 261 CTCATGTGTTGTGGAA 278
 |||||
 DB 19 CTCATGTGTTGTGGAA 2

RESULT 5
 A2464926 30 bp DNA linear GSS 04-OCT-2000
 LOCUS 1M0274J04R Mouse 10kb plasmid U06C1M library Mus musculus genomic
 DEFINITION clone U06C1M0274J04 R, DNA sequence.

ACCESSION: A2464926
 VERSION: A2464926.1 GI:10623051
 KEYWORDS: GSS
 SOURCE: house mouse.
 ORGANISM: Mus musculus
 REFERENCE: 1 (bases 1 to 30)
 AUTHORS: Dunn, D., Aoyagi, A., Barber, M., Beacorn, T., Duval, B., Hamill, C., Islam, H., Longacre, S., Mahmoud, M., Meenen, E., Pedersen, T., Reilly, M., Rose, M., Rose, R., Stokes, R., Tinney, A., von Niederhausern, A., and Wright, D., Weiss, R.
 TITLE: Mouse whole genome scaffolding with paired end reads from 10kb plasmid inserts
 JOURNAL: Unpublished (2000)
 COMMENT: Contact: Robert B. Weiss
 University of Utah
 Biomolecular Polymers Research Bldg., 20 S. 2030 E., SLIC, UT 84112, USA
 Tel: 801 585 5606
 Fax: 801 585 7177
 Email: ddunn@genetics.utah.edu
 Insert length: 10000 Std Error: 0.00
 Plate: 0274 row: J column: 04
 Seq primer: CACACGAGAAACGCTATGACC
 Class: plasmid ends
 High quality sequence stop: 30.
 Location/Qualifiers
 1..30
 /organism="Mus musculus"
 /strain="C57BL/6J"
 /db_xref="taxon:10090"
 /clone="U06C1M0274J04"
 /clone_1lb="Mouse 10kb plasmid U06C1M library"
 /sex="Male"
 /lab_host="E. Coli strain XL10-Gold, T1-resistant, F-"
 /note="Vector: PMD42ny; Purified genomic DNA from M. musculus C57BL/6J (male) was obtained from the Jackson Laboratory Mouse DNA Resource
 (http://www.jax.org/resources/documents/dnares/). The DNA was hydrodynamically sheared by repeated passage through a 0.005 inch orifice at constant velocity. The sheared DNA was blunt end-repaired with T4 DNA polymerase and T4 polynucleotide kinase. Adaptor oligonucleotides were ligated to the blunt ends in high molar excess. The sheared DNA was purified and size-selected for a 9.5 to 10.5 kb range using preparative agarose gel electrophoresis. Vector DNA was prepared from a derivative of PMD42 (g114732114|9b|AF129072.1), a copy number inducible derivative of plasmid R1. The vector was ligated with adaptors complementary to the insert adaptors and purified. The sheared, adaptor mouse DNA was annealed to adaptor vector DNA, and transformed into chemically-competent E. coli XL10-Gold (Stratagene) cells and selected for ampicillin resistance."

BASE COUNT 1 a 29 c 0 g 0 t
 ORIGIN
 Query Match 2.8%; Score 16.2; DB 17; Length 30;
 Best Local Similarity 72.4%; Pred. No. 9.7e+06;
 Matches 21; Conservative 0; Mismatches 8; Indels 0; Gaps 0;

OY 513 CCGCGCCGCGACCCACCCACCCACCC 541
 |||||
 DB 1 CCGCGCCGCGACCCACCCACCCACCC 29

RESULT 6
 A2875577 30 bp DNA linear GSS 21-FEB-2001
 LOCUS 2M0190G06F Mouse 10kb plasmid U06C1M library Mus musculus genomic
 DEFINITION clone U06C2M0190G06 F, DNA sequence.

ACCESSION	AA936737
VERSION	AA936737.1 GI:3094771
KEYWORDS	E87.
SOURCE	human.
ORGANISM	Homo sapiens
REFERENCE	Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi; Mammalia; Eutheria; Primates; Catarrhini; Homnidae; Homo. 1 (bases 1 to 25)
AUTHORS	NCI/NIDR-CGAP http://www.ncbi.nlm.nih.gov/ncicgap .
TITLE	National Cancer Institute / National Institute of Dental Research, Cancer Genome Anatomy Project (CGAP), Tumor Gene Index Unpublished (1997) Contact: Robert Strausberg, Ph.D. Email: cgapbs@email.nih.gov Tissue Procurement: John Ensley, M.D. CDNA Library Preparation: Stratagene, Inc. CDNA Library Arrayed by: Greg Leinon, Ph.D. DNA Sequencing by: Washington University Genome Sequencing Center Clone distribution: NCI-CGAP clone distribution information can be found through the I.M.A.G.E. Consortium/TLN! at: www.bio.llnl.gov/bhrp/image/image.html
JOURNAL	
COMMENT	
FEATURES	Trace considered overall poor quality Seq primer: -40m13 fwd. ET from Amersham High quality sequence stop: 1. Location/Qualifiers 1..25 /organism="Homo sapiens" /db_xref="taxon:9606" /clone="IMAGE:1486987" /clone_1ld="NCI-CGAP_HN4" /tissue_type="squamous cell carcinoma" /lab_host="SOLR (Kanamycin resistant)" /note="Organ: pharynx; Vector: Bluescript SK-; Site_1: EcoRI, Site_2: XhoI; Cloned unidirectionally. Primer: Oligo dt. Average insert size 1.5 kb. 5' adaptor sequence: 5' GAATTCGGCACAG 3' 3' adaptor sequence: 5' (GA)10ACTAGCTCGAGTTTTTTTTTTTTTTT 3''
BASE COUNT	1 a 1 c 18 g 5 t
ORIGIN	
Query Match	-2.7%; Score 16; DB 9; Length 25;
Best Local Similarity	79.2%; Pred. No. 1.1e+07;
Matches 19; Conservative 0; Mismatches 5; Indels 0; Gaps 0;	
OY 521 CCGACCCCATGCCCAACCCCTCC 544	
DB 25 CCCACCACCCCGGACACCCCTCC 2	
RESULT 8	
LOCUS	AA348233 25 bp DNA linear GSS 29-SEP-2000
DEFINITION	M00084G04R Mouse 10kb plasmid U0GCIM library Mus musculus genomic
ACCESSION	AA348233
VERSION	AA348233
KEYWORDS	GSS.
SOURCE	house mouse.
ORGANISM	Mus musculus
REFERENCE	Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi; Mammalia; Eutheria; Rodentia; Sciurognathi; Muridae; Murinae; Mus. 1 (bases 1 to 25)
AUTHORS	Dunn,D., Aoyagi,A., Barber,M., Beacorn,T., Duval,B., Hamll,C., Islam,H., Longacre,S., Mahmoud,M., Meenen,E., Pedersen,T., Reilly, M., Rose,M., Rose,R., Stokes,R., Tinney,A., von Niederhausern,A. and Wright,D.,Weiss,R. Mouse whole genome scaffolding with paired end reads from 10kb plasmid inserts Unpublished (2000) Contact: Robert B. Weiss University of Utah Genome Center
JOURNAL	
COMMENT	

Rm. 308, Biomedical Polymers Research Bldg., 20 S. 2030 E., SLIC, UT
84112, USA
Tel: 801 585 5606
Fax: 801 585 7177
Email: ddunn@genetics.utah.edu
Insert Length: 10000 Std Error: 0.00
Plate: 0084 row: G column: 04
Seq primer: CACACAGGAACAGCTATGACC
Class: plasmid ends
High quality sequence stop: 25.
Location/Qualifiers

FEATURES

SOURCE

1. 25
/organism="Mus musculus"
/strain="C57BL/6J"
/db_xref="taxon:10090"
/clone="U08C1M0084G04"
/clone_1lb="Mouse 10kb plasmid U08C1M library"
/sex="Male"
/lab_host="E. Coli strain XL10-Gold, T1-resistant, F-"
/note="Vector: PMD42nv; Purified genomic DNA from M.
musculus C57BL/6J (male) was obtained from the Jackson
Laboratory Mouse DNA Resource
(http://www.jax.org/resources/documents/dnares/). The DNA
was hydrodynamically sheared by repeated passage through a
0.005 inch orifice at constant velocity. The sheared DNA
was blunt end-repaired with T4 DNA polymerase and T4
polynucleotide kinase. Adaptor oligonucleotides were
ligated to the blunt ends in high molar excess. The
adaptor DNA was purified and size-selected for a 9.5 to
10.5 kb range using preparative agarose gel
electrophoresis. Vector DNA was prepared from a derivative
of PMD42 (g11473211419b1AF129072.1), a copy-number
inducible derivative of plasmid R1. The vector was ligated
with adaptors complementary to the insert adaptors and
purified. The sheared, adaptor mouse DNA was annealed to
adaptor vector DNA, and transformed into
chemically-competent E. coli XL10-Gold (Stratagene) cells
and selected for ampicillin resistance."

BASE COUNT

2 a 23 c 0 g 0 t

BASE COUNT

6 a 8 c 9 g 3 t

Query Match 2.7%; Score 16; DB 17; Length 26;
Best Local Similarity 79.2%; Pred. No. 1.1e+07;
Matches 19; Conservative 0; Mismatches 5; Indels 0; Gaps 0;

OY 518 COTCCGACCCATGCCCAACCC 541
Db 2 CCCCCCCCCCACCACCC 25

RESULT 9

A2823359

LOCUS

DEFINITION 26 bp DNA linear GSS 20-FEB-2001
clone U08C1M0097C19 F, DNA sequence.

ACCESSION

A2823359

VERSION

A2823359.1

KEYWORDS

GSS.

SOURCE

house mouse.

ORGANISM

Mus musculus

REFERENCE

AUTHORS

TITLE

JOURNAL

COMMENT

Mouse whole genome scaffolding with paired end reads from 10kb
plasmid inserts
Unpublished (2000)
Contact: Robert B. Weiss
University of Utah Genome Center

Rm. 308, Biomedical Polymers Research Bldg., 20 S. 2030 E., SLIC, UT
84112, USA
Tel: 801 585 5606
Fax: 801 585 7177
Email: ddunn@genetics.utah.edu
Insert Length: 10000 Std Error: 0.00
Plate: 0097 row: C column: 19
Seq primer: CCGTCTAAACGACGCGCAGT
Class: plasmid ends
High quality sequence stop: 26.
Location/Qualifiers

FEATURES

SOURCE

1. 26
/organism="Mus musculus"
/strain="C57BL/6J"
/db_xref="taxon:10090"
/clone="U08C2M0097C19"
/clone_1lb="Mouse 10kb plasmid U08C1M library"
/sex="Male"
/lab_host="E. Coli strain XL10-Gold, T1-resistant, F-"
/note="Vector: PMD42nv; Purified genomic DNA from M.
musculus C57BL/6J (male) was obtained from the Jackson
Laboratory Mouse DNA Resource
(http://www.jax.org/resources/documents/dnares/). The DNA
was hydrodynamically sheared by repeated passage through a
0.005 inch orifice at constant velocity. The sheared DNA
was blunt end-repaired with T4 DNA polymerase and T4
polynucleotide kinase. Adaptor oligonucleotides were
ligated to the blunt ends in high molar excess. The
adaptor DNA was purified and size-selected for a 9.5 to
10.5 kb range using preparative agarose gel
electrophoresis. Vector DNA was prepared from a derivative
of PMD42 (g11473211419b1AF129072.1), a copy-number
inducible derivative of plasmid R1. The vector was ligated
with adaptors complementary to the insert adaptors and
purified. The sheared, adaptor mouse DNA was annealed to
adaptor vector DNA, and transformed into
chemically-competent E. coli XL10-Gold (Stratagene) cells
and selected for ampicillin resistance."

Query Match 2.7%; Score 16; DB 17; Length 26;
Best Local Similarity 79.2%; Pred. No. 1.1e+07;
Matches 19; Conservative 0; Mismatches 5; Indels 0; Gaps 0;

OY 536 ACCCCCTCAGAGTGAGGACCA 559
Db 3 ACCCCCTCAGAGTGAGGACCA 26

RESULT 10

A2343341

LOCUS

DEFINITION 27 bp DNA linear GSS 29-SEP-2000
clone U08C1M0076B04 R, DNA sequence.

ACCESSION

A2343341

VERSION

A2343341.1

KEYWORDS

GSS.

SOURCE

house mouse.

ORGANISM

Mus musculus

REFERENCE

AUTHORS

TITLE

JOURNAL

COMMENT

Mouse whole genome scaffolding with paired end reads from 10kb
plasmid inserts
Unpublished (2000)
Contact: Robert B. Weiss
University of Utah Genome Center

Rm. 308, Biomedical Polymers Research Bldg., 20 S. 2030 E., SLIC, UT
84112, USA
Tel: 801 585 5606
Fax: 801 585 7177
Email: ddunn@genetics.utah.edu

Insert Length: 10000 Std Error: 0.00
Plate: 0280 row: B column: 08
Seq primer: CGTGTAAACGACGCGCAGT
Class: plasmid ends
High quality sequence stop: 26.

FEATURES

SOURCE

Location/Qualifiers

1. 26
/organism="Mus musculus"
/strain="C57BL/6J"
/db_xref="taxon:10090"
/clone="U06C2M0280B08"
/clone_lib="Mouse 10kb plasmid U06C2M library"
/sex="Female"
/lab_host="E. coli strain XL10-Gold, T1-resistant, F-"
/note="Vector: PMD42nv; Purified genomic DNA from M. musculus C57BL/6J (female) was obtained from the Jackson Laboratory Mouse DNA Resource (<http://www.jax.org/resources/documents/dnares/>). The DNA was hydrodynamically sheared by repeated passage through a 0.005 inch orifice at constant velocity. The sheared DNA was blunt end-repaired with T4 DNA polymerase and T4 polynucleotide kinase. Adaptor oligonucleotides were ligated to the blunt ends in high molar excess. The adapted DNA was purified and size-selected for a 9.5 to 10.5 kb range using preparative agarose gel electrophoresis. Vector DNA was prepared from a derivative of PMD42 (g114732114[gblAF129072.1]), a copy-number inducible derivative of plasmid R1. The vector was ligated with adaptors complementary to the insert adaptors and purified. The sheared, adapted mouse DNA was annealed to chemically-competent E. coli XL10-Gold (Stratagene) cells and selected for ampicillin resistance."

BASE COUNT

9 a 13 c 0 g 4 t

ORIGIN

Query Match 2.7%; Score 15.8; DB 17; Length 26;
Best Local Similarity 89.5%; Pred. No. 1.2e+07;
Matches 17; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

OY 414 CAGCTCCACCTATACCCC 432

DB 1 CAACTCCACCTATACCCC 19

RESULT 13

AZ355810/c

LOCUS

DEFINITION

27 bp DNA linear GSS 02-OCT-2000
1M0095G10R Mouse 10kb plasmid U06C1M library Mus musculus genomic
clone U06C1M0095G10 R, DNA sequence.

ACCESSION

VERSION

AZ355810.1 GI:10468500

KEYWORDS

SOURCE

house mouse.

ORGANISM

house mouse.

REFERENCE

AUTHORS

1 (bases 1 to 27)
Dunn, D., Aoyagi, A., Barber, M., Beacorn, T., Duval, B., Hamill, C.,
Islam, H., Longacre, S., Mahmoud, M., Meenen, E., Pedersen, T., Reilly,
M., Rose, M., Rose, R., Stokes, R., Tingey, A., von Niederhausern, A.
and Wright, D., Weiss, R.

TITLE

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plasmid inserts

JOURNAL

COMMENT
Unpublished (2000)
Contact: Robert B. Weiss
University of Utah Genome Center

Rm. 308, Biomedical Polymers Research Bldg., 20 S. 2030 E., SLIC, UT
84112, USA
Tel: 801 585 5606
Fax: 801 585 7177
Email: ddunn@genetics.utah.edu

Insert Length: 10000 Std Error: 0.00
Plate: 0095 row: G column: 10
Seq primer: CACACGAAACGACGTATGACC
Class: plasmid ends
High quality sequence stop: 27.

FEATURES

SOURCE

Location/Qualifiers

1. 27
/organism="Mus musculus"
/strain="C57BL/6J"
/db_xref="taxon:10090"
/clone="U06C1M0095G10"
/clone_lib="Mouse 10kb plasmid U06C1M library"
/sex="Male"
/lab_host="E. coli strain XL10-Gold, T1-resistant, F-"
/note="Vector: PMD42nv; Purified genomic DNA from M. musculus C57BL/6J (male) was obtained from the Jackson Laboratory Mouse DNA Resource (<http://www.jax.org/resources/documents/dnares/>). The DNA was hydrodynamically sheared by repeated passage through a 0.005 inch orifice at constant velocity. The sheared DNA was blunt end-repaired with T4 DNA polymerase and T4 polynucleotide kinase. Adaptor oligonucleotides were ligated to the blunt ends in high molar excess. The adapted DNA was purified and size-selected for a 9.5 to 10.5 kb range using preparative agarose gel electrophoresis. Vector DNA was prepared from a derivative of PMD42 (g114732114[gblAF129072.1]), a copy-number inducible derivative of plasmid R1. The vector was ligated with adaptors complementary to the insert adaptors and purified. The sheared, adapted mouse DNA was annealed to chemically-competent E. coli XL10-Gold (Stratagene) cells and selected for ampicillin resistance."

BASE COUNT

0 a 0 c 24 g 3 t

ORIGIN

Query Match 2.7%; Score 15.8; DB 17; Length 27;
Best Local Similarity 74.1%; Pred. No. 1.2e+07;
Matches 20; Conservative 0; Mismatches 7; Indels 0; Gaps 0;

OY 513 CCTCGCTCCGACCCCATCCCAACC 539

DB 27 CCACCCCGCCGACCCCGCCCAACC 1

RESULT 14

AZ842796/c

LOCUS

DEFINITION

27 bp DNA linear GSS 20-FEB-2001
2M0141120F Mouse 10kb plasmid U06C1M library Mus musculus genomic
clone U06C2M0141120 F, DNA sequence.

ACCESSION

VERSION

AZ842796.1 GI:13012704

KEYWORDS

SOURCE

house mouse.

ORGANISM

house mouse.

REFERENCE

AUTHORS

1 (bases 1 to 27)
Dunn, D., Aoyagi, A., Barber, M., Beacorn, T., Duval, B., Hamill, C.,
Islam, H., Longacre, S., Mahmoud, M., Meenen, E., Pedersen, T., Reilly,
M., Rose, M., Rose, R., Stokes, R., Tingey, A., von Niederhausern, A.
and Wright, D., Weiss, R.

TITLE

Mouse whole genome scaffolding with paired end reads from 10kb
plasmid inserts

JOURNAL

COMMENT
Unpublished (2000)
Contact: Robert B. Weiss
University of Utah Genome Center

